

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070224\  
 Data File : VW029458.D  
 Acq On : 02 Jul 2024 20:42  
 Operator : SY/MD  
 Sample : P3139-02MS  
 Misc : 4.74g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4D00MS

Quant Time: Jul 03 05:48:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 03 05:41:51 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 354987     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 238224     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 58601      | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363          | 65   | 88957      | 18.105   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 72.400%  |        |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 79391      | 19.134   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 76.520%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.021          | 65   | 44178      | 18.622   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 74.480%  |        |          |
| 21) 2-Butanone-d5             | 7.075          | 46   | 64384      | 43.798   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 87.600%  |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 219355     | 20.715   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 82.840%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 124211     | 20.430   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 81.720%  |        |          |
| 32) Benzene-d6                | 8.270          | 84   | 399178     | 27.587   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 110.360% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 134068     | 29.148   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 116.600% |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 312789     | 24.433   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 97.720%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 36202      | 19.531   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 78.120%  |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 29020      | 40.247   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 80.500%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 84489      | 23.079   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 92.320%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 41877      | 20.588   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 82.360%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015          | 85   | 33082      | 9.552    | ug/L   | 99       |
| 3) Chloromethane              | 2.223          | 50   | 52953      | 10.723   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.375          | 62   | 64514      | 11.376   | ug/L   | 94       |
| 6) Bromomethane               | 2.783          | 94   | 32657      | 9.581    | ug/L   | 89       |
| 8) Chloroethane               | 2.936          | 64   | 43618      | 12.575   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265          | 101  | 64658      | 14.706   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070          | 101  | 58616      | 12.092   | ug/L # | 87       |
| 12) 1,1-Dichloroethene        | 4.045          | 96   | 54968      | 13.364   | ug/L   | 94       |
| 13) Acetone                   | 4.119          | 43   | 28145      | 22.529   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.393          | 76   | 126342     | 9.409    | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667          | 43   | 23151      | 9.335    | ug/L   | 99       |
| 16) Methylene chloride        | 4.923          | 84   | 75553      | 12.104   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429          | 96   | 55335      | 12.114   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.423          | 73   | 119029     | 16.287   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216          | 63   | 142674     | 14.462   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173          | 96   | 67598      | 13.420   | ug/L   | 99       |
| 22) 2-Butanone                | 7.173          | 43   | 41283      | 24.107   | ug/L   | 79       |
| 23) Bromochloromethane        | 7.508          | 128  | 30412      | 13.562   | ug/L   | 95       |
| 25) Chloroform                | 7.679          | 83   | 135847     | 14.101   | ug/L   | 98       |

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 ALS Vial : 24 Sample Multiplier: 1

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 A4D00MS

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 03 05:41:51 2024  
 Response via : Initial Calibration

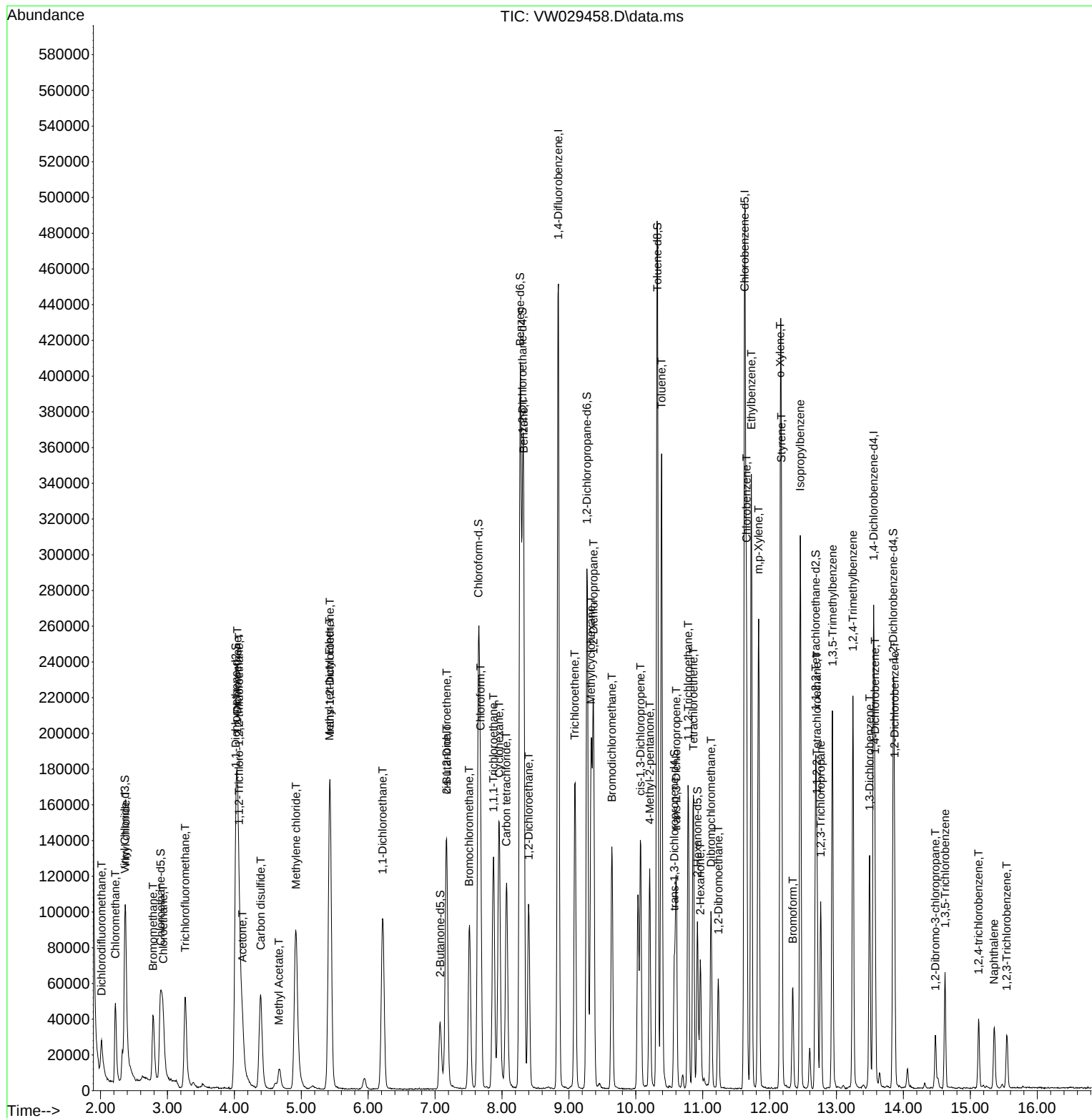
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 95589    | 13.454 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 84530    | 15.521 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 103687   | 19.573 | ug/L  | 96       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 85699    | 17.710 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 268561   | 18.762 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 60307    | 15.792 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 69438    | 11.562 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 78810    | 19.594 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 89250    | 18.149 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 80242    | 14.113 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 83855    | 33.637 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 242616   | 16.488 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 64015    | 13.334 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 49730    | 17.753 | ug/L  | 93       |
| 46) Tetrachloroethene         | 10.861 | 164  | 36730    | 13.759 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 46985    | 26.561 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 51677    | 17.648 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 40521    | 16.115 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 121868   | 12.754 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 226061   | 13.534 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 78203    | 12.818 | ug/L  | 94       |
| 54) o-Xylene                  | 12.160 | 106  | 75269    | 13.200 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 111285   | 11.193 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 53908    | 15.558 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 24659    | 30.702 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 184645   | 23.647 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 42447    | 33.209 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 108750   | 19.231 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 112527   | 18.494 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 48021    | 14.211 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 47130    | 13.109 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 44618    | 14.283 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 7450     | 24.976 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 17795    | 7.803  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 10826    | 5.856  | ug/L  | 98       |
| 71) Naphthalene               | 15.354 | 128  | 29026    | 7.955  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 9189     | 5.455  | ug/L  | 99       |

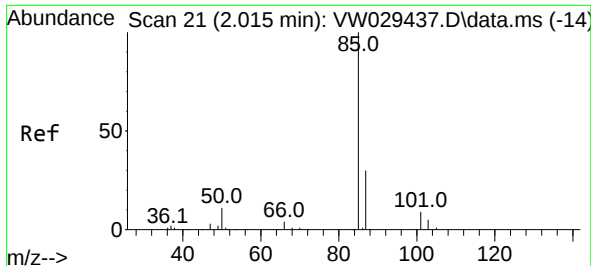
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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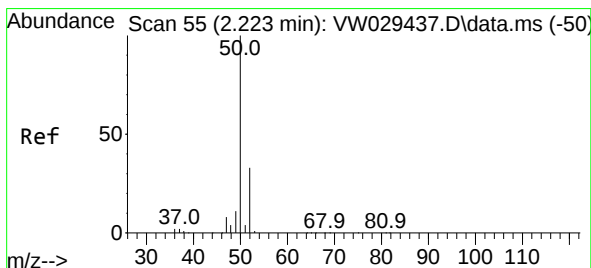
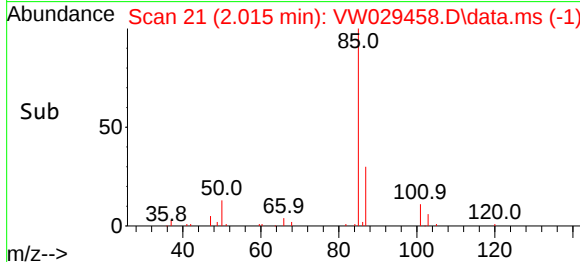
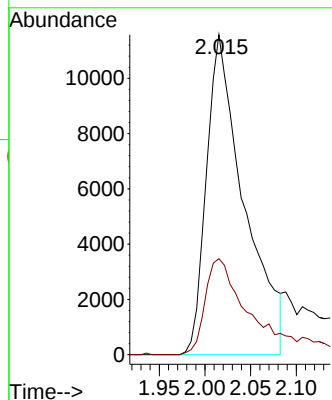
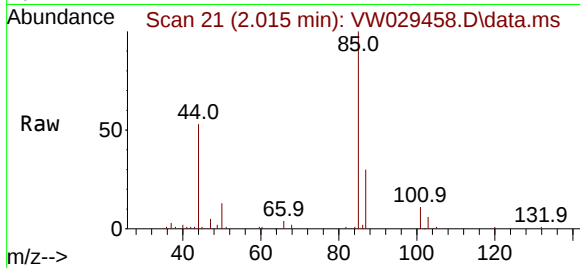




#2  
 Dichlorodifluoromethane  
 Concen: 9.552 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW029458.D  
 Acq: 02 Jul 2024 20:42

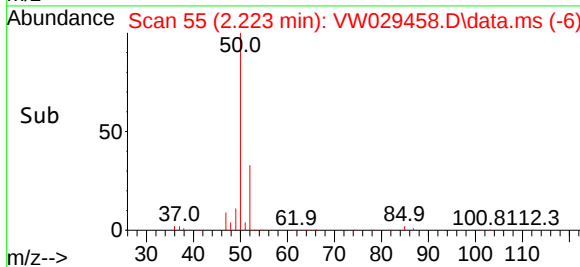
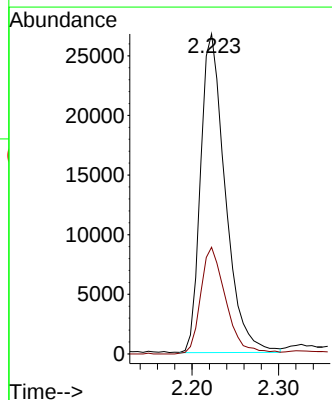
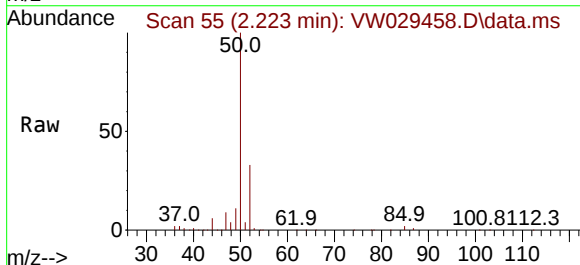
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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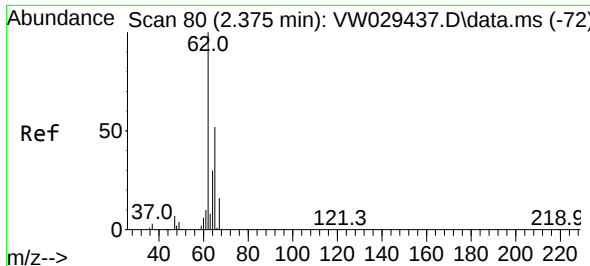
Tgt Ion: 85 Resp: 33082  
 Ion Ratio Lower Upper  
 85 100  
 87 29.1 23.8 35.6



#3  
 Chloromethane  
 Concen: 10.723 ug/L  
 RT: 2.223 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VW029458.D  
 Acq: 02 Jul 2024 20:42

Tgt Ion: 50 Resp: 52953  
 Ion Ratio Lower Upper  
 50 100  
 52 33.3 22.3 41.5





#5

Vinyl chloride

Concen: 11.376 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

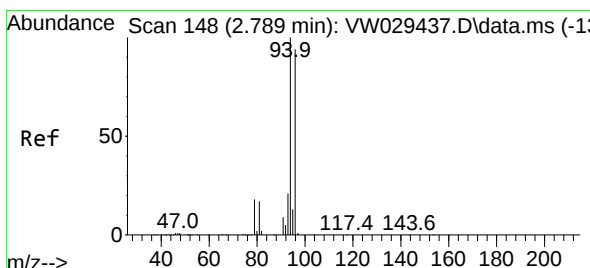
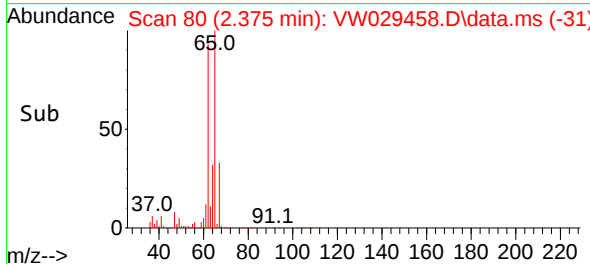
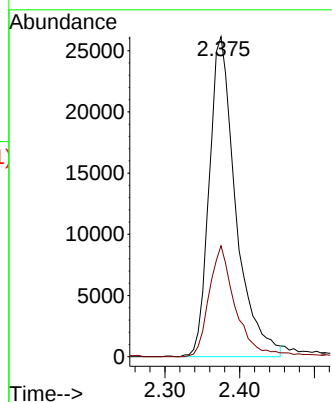
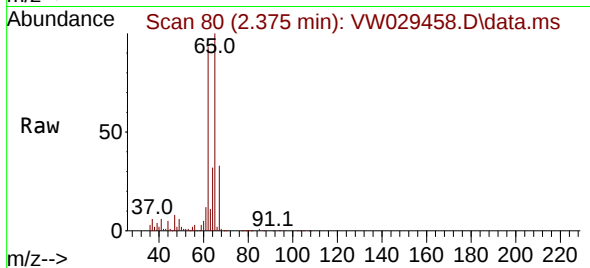
A4D00MS

Tgt Ion: 62 Resp: 64514

Ion Ratio Lower Upper

62 100

64 34.6 22.0 40.8



#6

Bromomethane

Concen: 9.581 ug/L

RT: 2.783 min Scan# 147

Delta R.T. -0.006 min

Lab File: VW029458.D

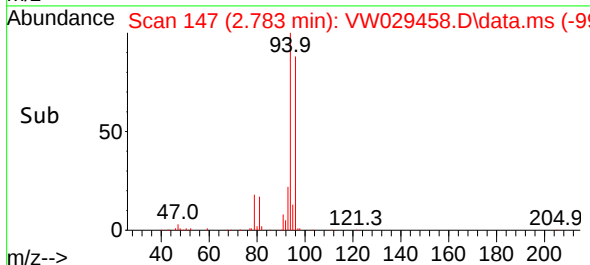
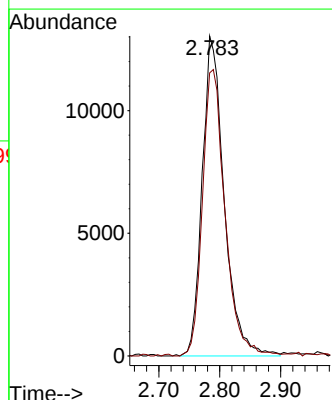
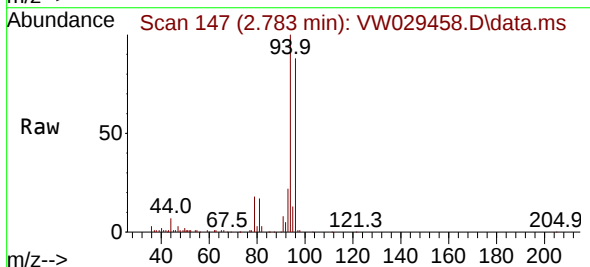
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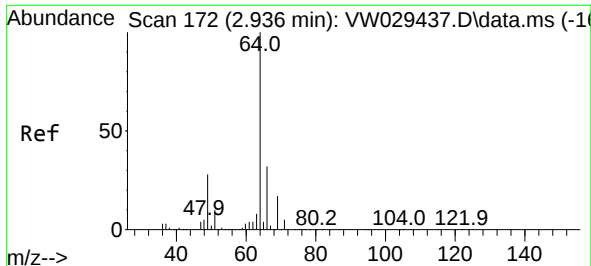
Tgt Ion: 94 Resp: 32657

Ion Ratio Lower Upper

94 100

96 88.5 69.5 129.1

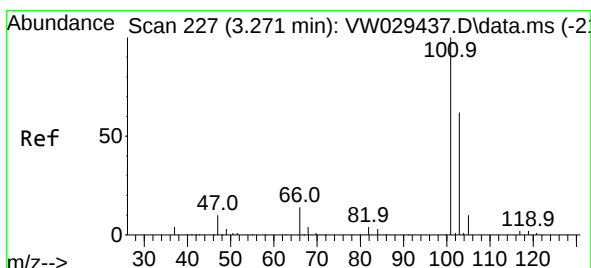
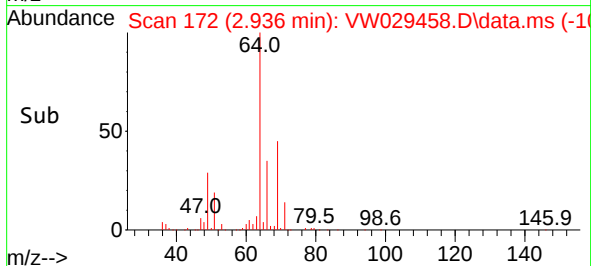
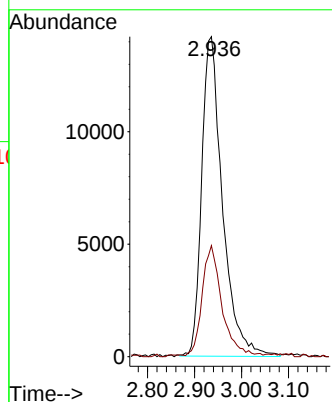
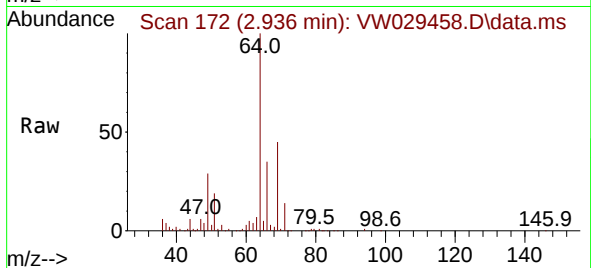




#8  
Chloroethane  
Concen: 12.575 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

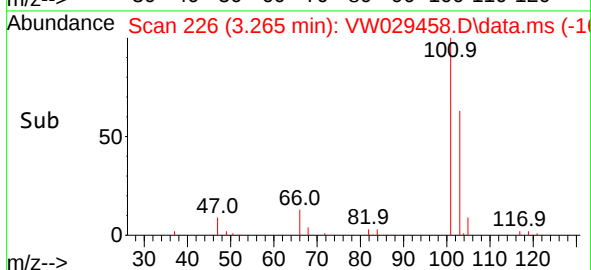
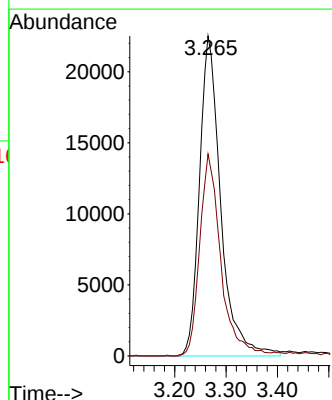
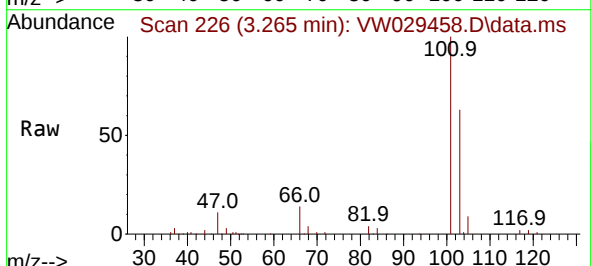
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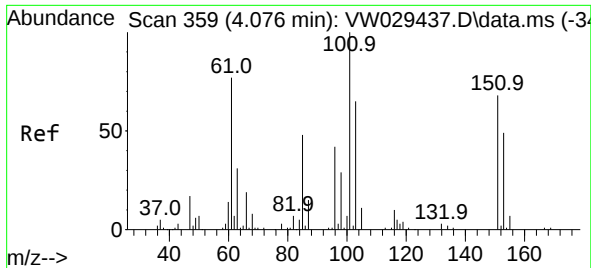
Tgt Ion: 64 Resp: 43618  
Ion Ratio Lower Upper  
64 100  
66 34.7 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 14.706 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion:101 Resp: 64658  
Ion Ratio Lower Upper  
101 100  
103 62.0 50.8 76.2

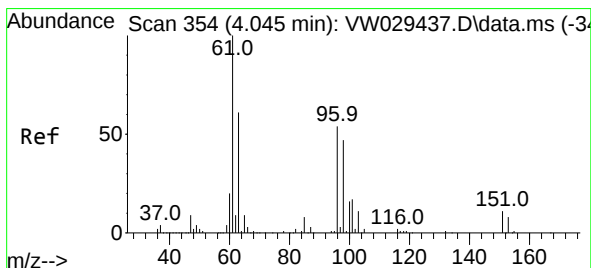
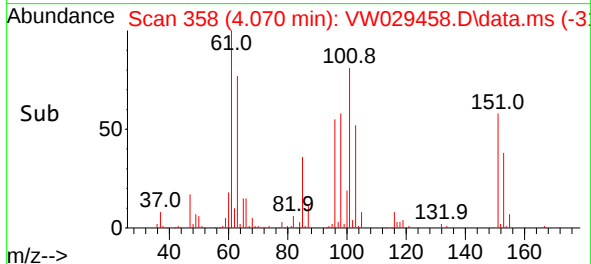
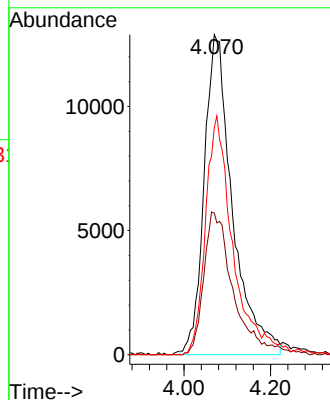
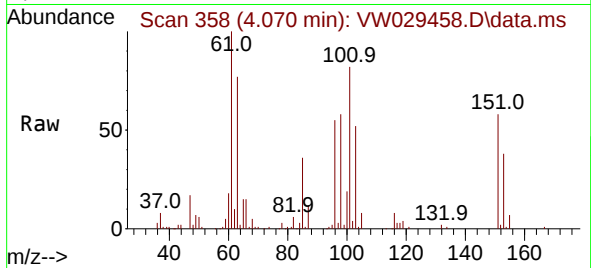




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 12.092 ug/L  
 RT: 4.070 min Scan# 359  
 Delta R.T. -0.006 min  
 Lab File: VW029458.D  
 Acq: 02 Jul 2024 20:42

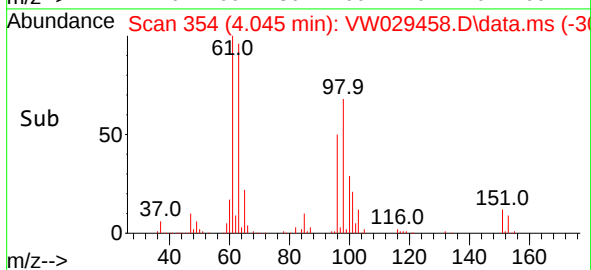
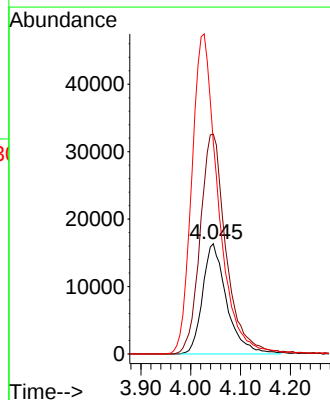
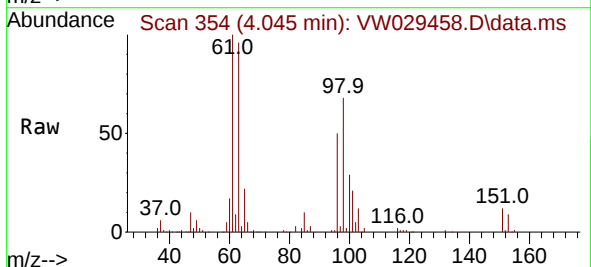
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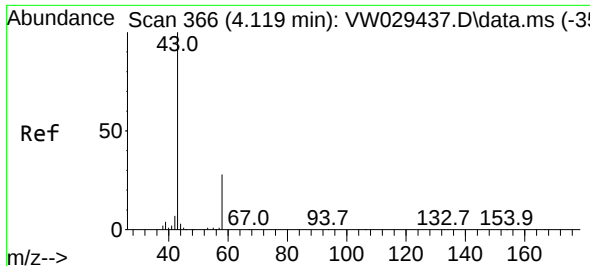
Tgt Ion:101 Resp: 58616  
 Ion Ratio Lower Upper  
 101 100  
 85 21.4 30.2 45.2#  
 151 68.7 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 13.364 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW029458.D  
 Acq: 02 Jul 2024 20:42

Tgt Ion: 96 Resp: 54968  
 Ion Ratio Lower Upper  
 96 100  
 61 199.5 140.1 260.3  
 63 191.9 122.0 226.6

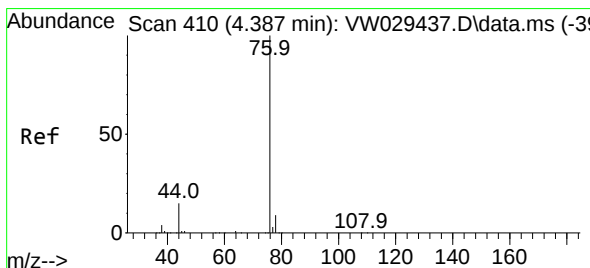
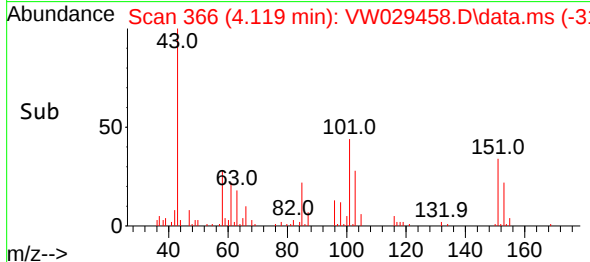
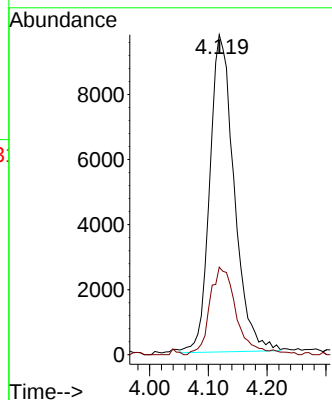
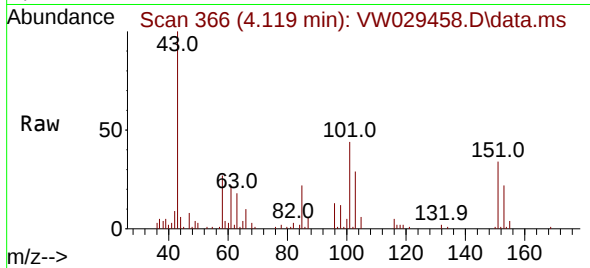




#13  
Acetone  
Concen: 22.529 ug/L  
RT: 4.119 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

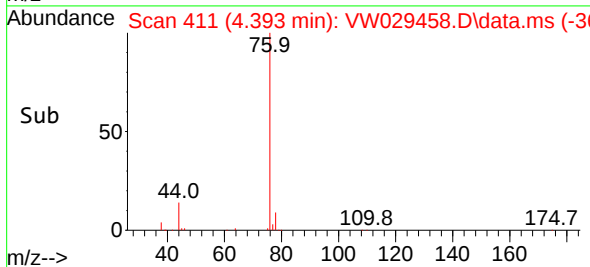
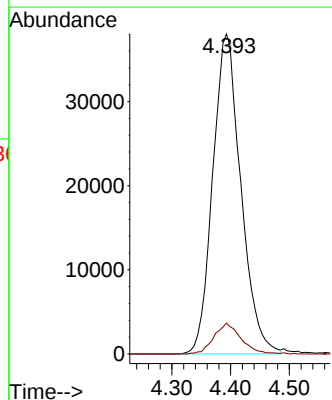
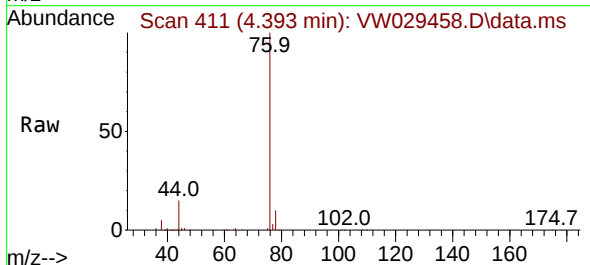
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

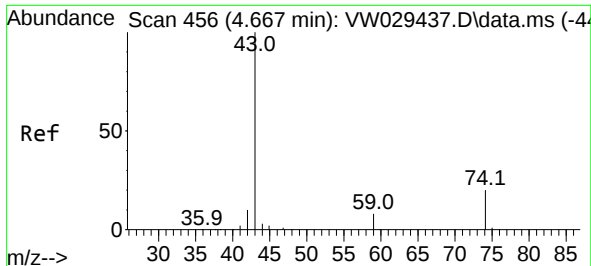
Tgt Ion: 43 Resp: 28145  
Ion Ratio Lower Upper  
43 100  
58 29.5 0.0 61.4



#14  
Carbon disulfide  
Concen: 9.409 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 76 Resp: 126342  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.2 10.8

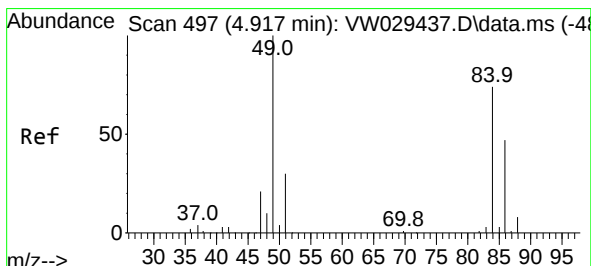
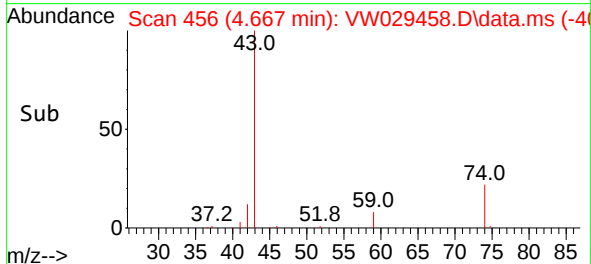
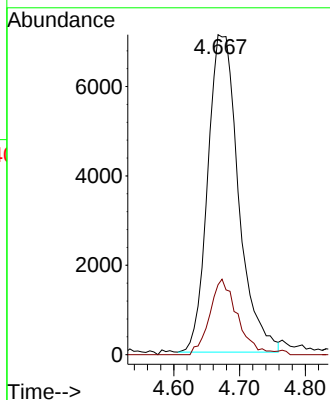
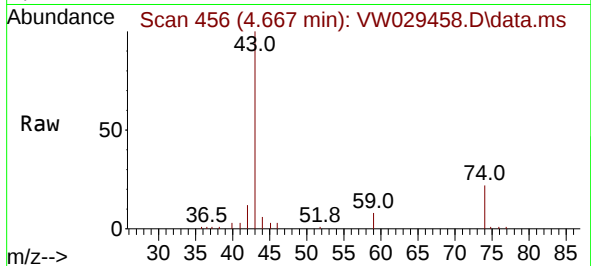




#15  
Methyl Acetate  
Concen: 9.335 ug/L  
RT: 4.667 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

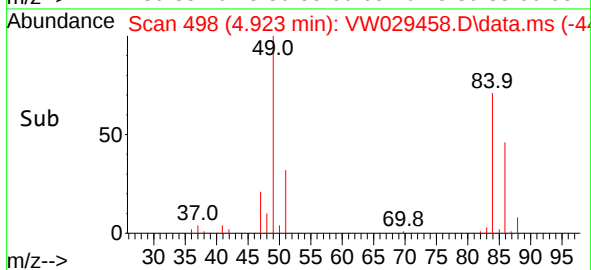
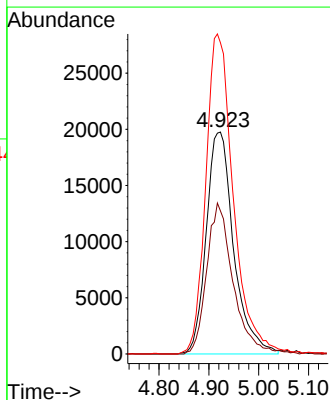
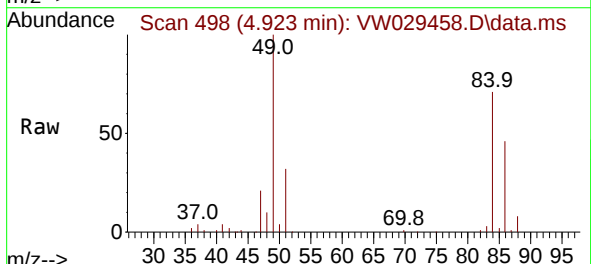
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

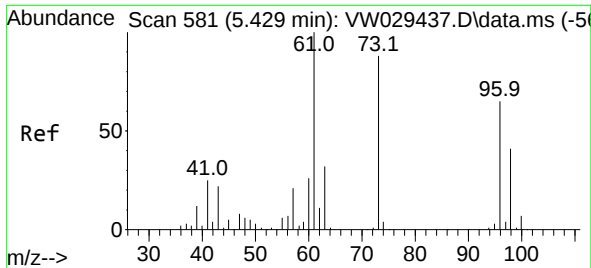
Tgt Ion: 43 Resp: 23151  
Ion Ratio Lower Upper  
43 100  
74 21.4 16.6 25.0



#16  
Methylene chloride  
Concen: 12.104 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 84 Resp: 75553  
Ion Ratio Lower Upper  
84 100  
86 64.4 41.4 77.0  
49 140.2 95.7 177.7

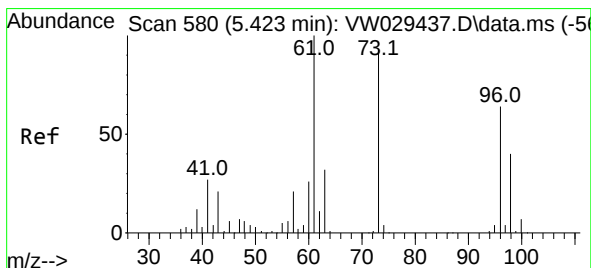
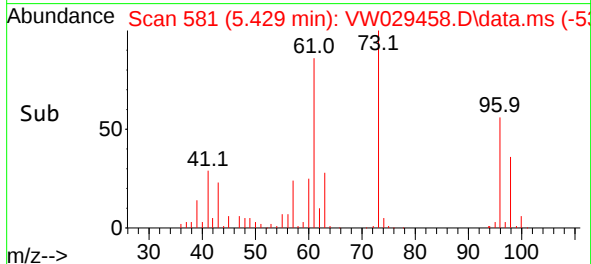
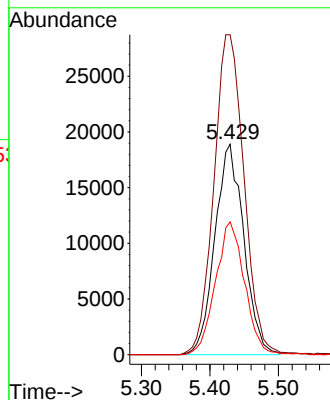
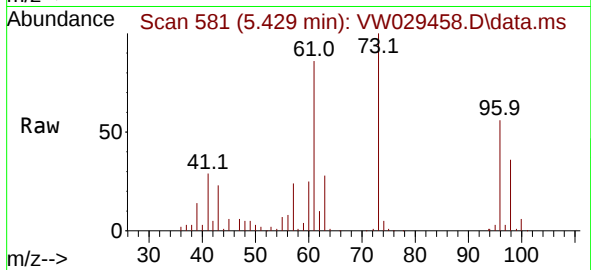




#17  
trans-1,2-Dichloroethene  
Concen: 12.114 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

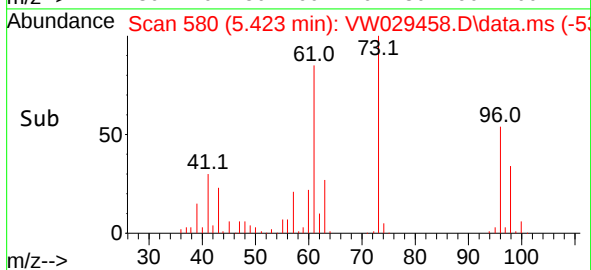
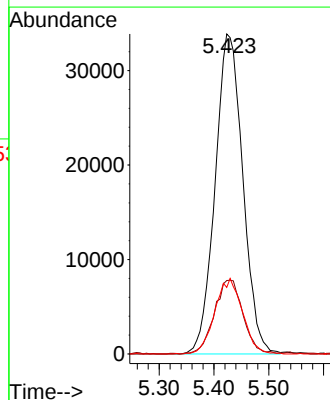
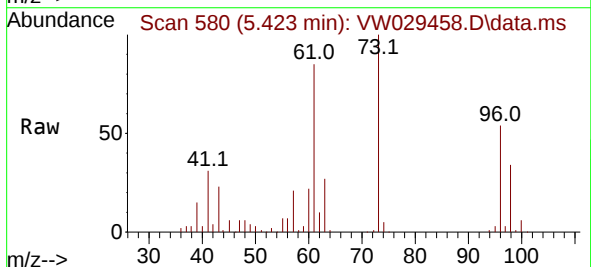
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

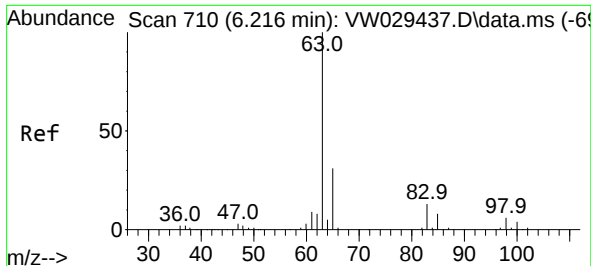
Tgt Ion: 96 Resp: 55335  
Ion Ratio Lower Upper  
96 100  
61 152.0 101.5 188.5  
98 63.1 43.3 80.3



#18  
Methyl tert-butyl Ether  
Concen: 16.287 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 73 Resp: 119029  
Ion Ratio Lower Upper  
73 100  
43 23.7 19.5 29.3  
57 23.5 18.4 27.6





#19

1,1-Dichloroethane

Concen: 14.462 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

A4D00MS

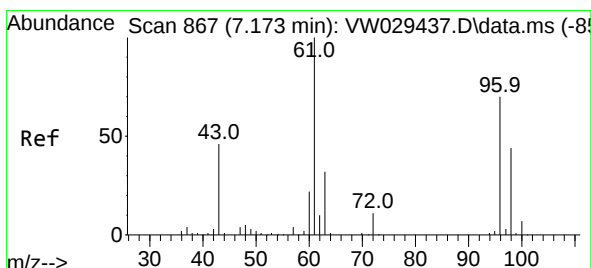
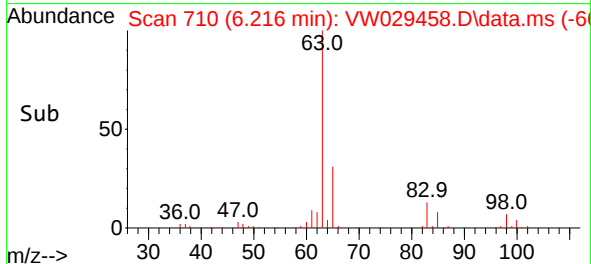
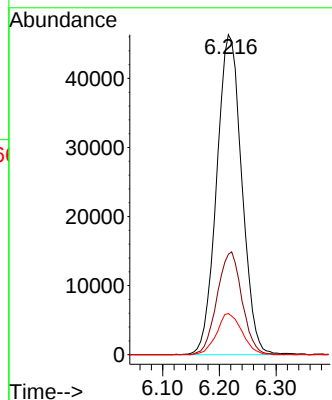
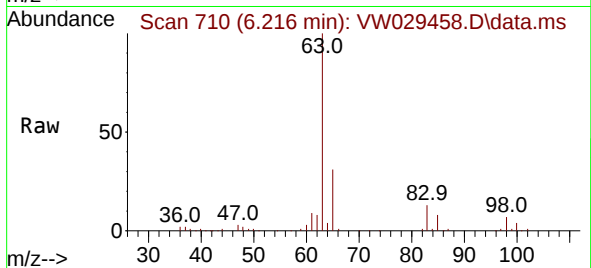
Tgt Ion: 63 Resp: 142674

Ion Ratio Lower Upper

63 100

65 31.3 23.4 43.4

83 12.9 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 13.420 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

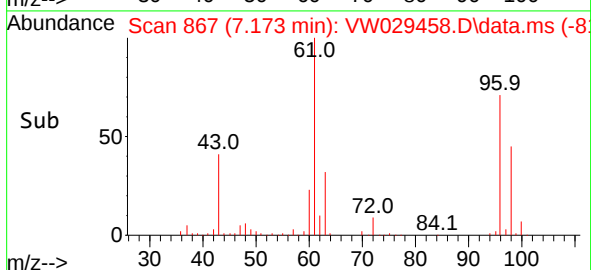
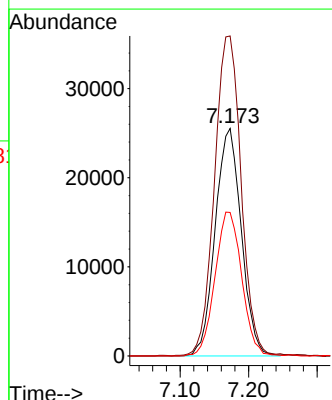
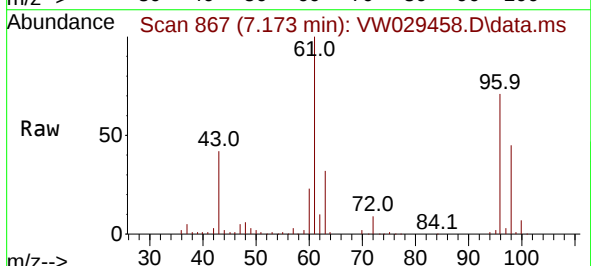
Tgt Ion: 96 Resp: 67598

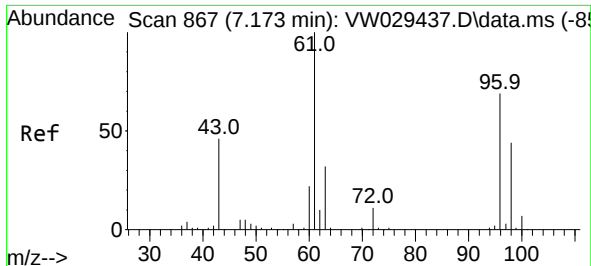
Ion Ratio Lower Upper

96 100

61 140.6 97.8 181.6

98 63.1 43.0 79.8

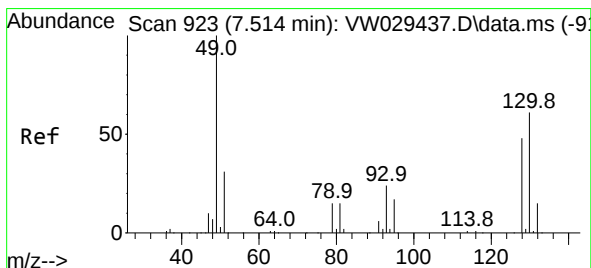
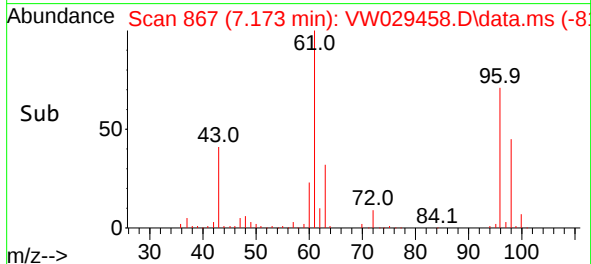
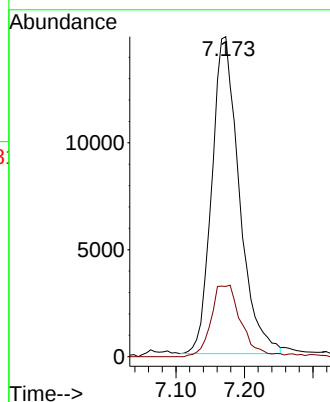
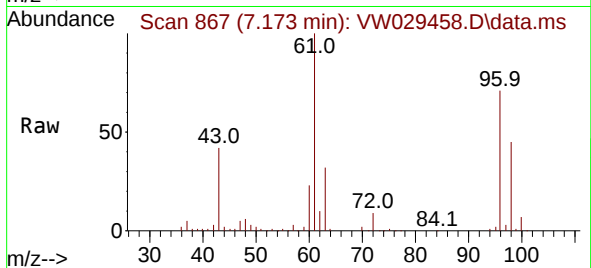




#22  
2-Butanone  
Concen: 24.107 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

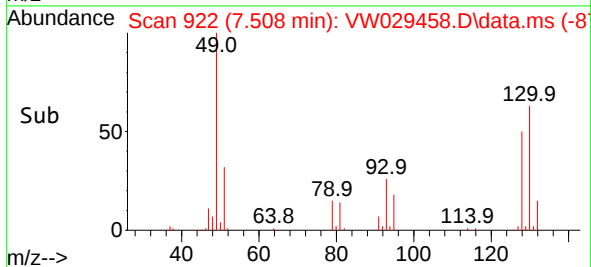
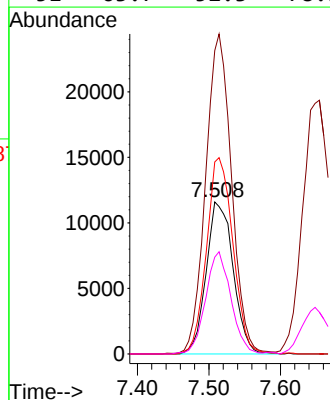
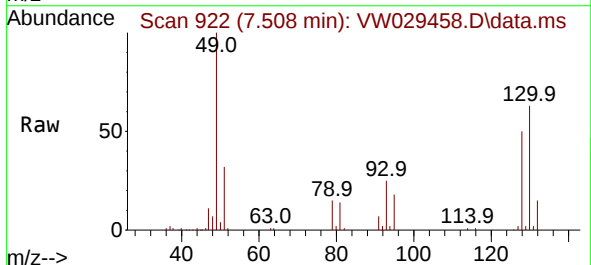
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

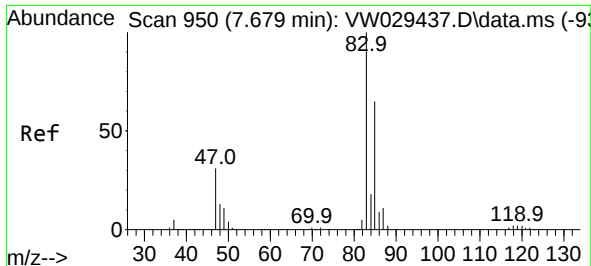
Tgt Ion: 43 Resp: 41283  
Ion Ratio Lower Upper  
43 100  
72 13.3 11.9 35.7



#23  
Bromochloromethane  
Concen: 13.562 ug/L  
RT: 7.508 min Scan# 922  
Delta R.T. -0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 128 Resp: 30412  
Ion Ratio Lower Upper  
128 100  
49 199.7 142.6 264.8  
130 126.4 79.7 148.1  
51 63.7 52.3 78.5

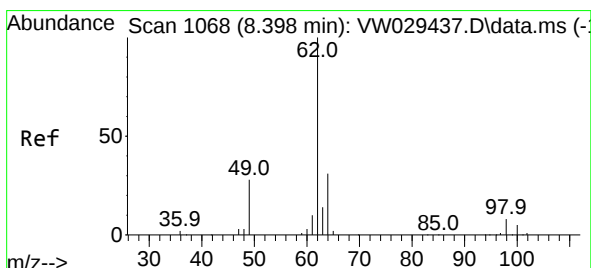
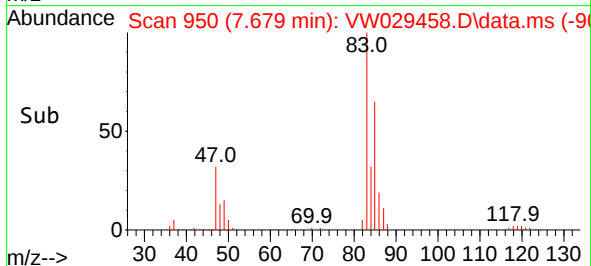
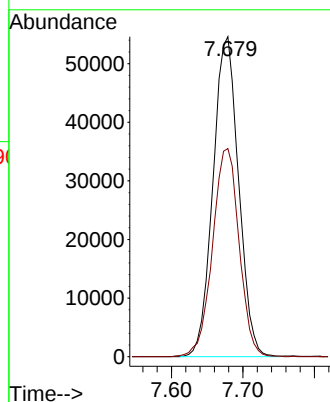
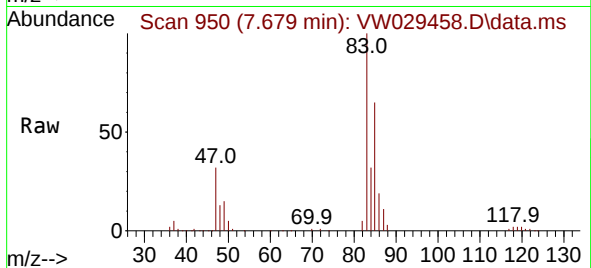




#25  
Chloroform  
Concen: 14.101 ug/L  
RT: 7.679 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

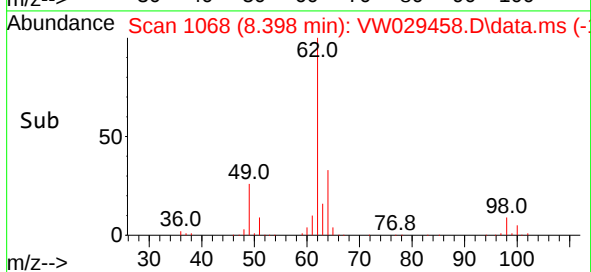
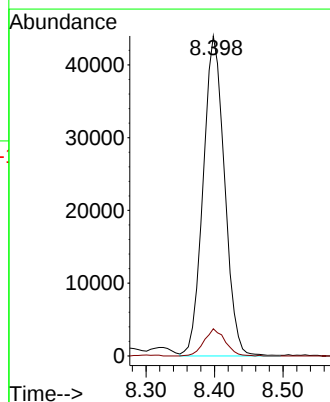
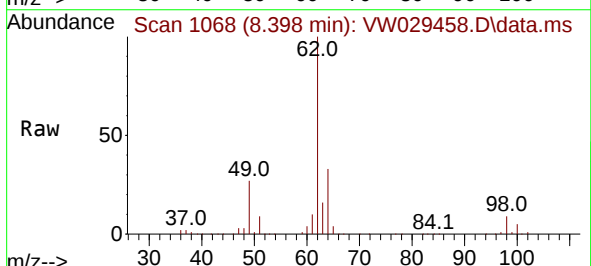
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

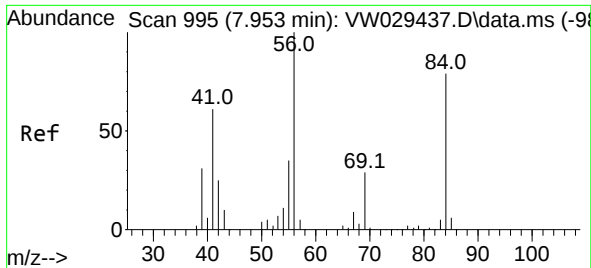
Tgt Ion: 83 Resp: 135847  
Ion Ratio Lower Upper  
83 100  
85 65.1 44.4 82.4



#27  
1,2-Dichloroethane  
Concen: 13.454 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 62 Resp: 95589  
Ion Ratio Lower Upper  
62 100  
98 8.5 6.6 10.0

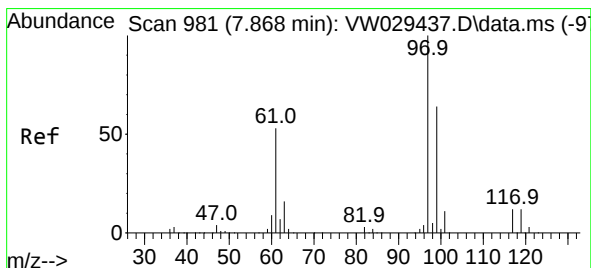
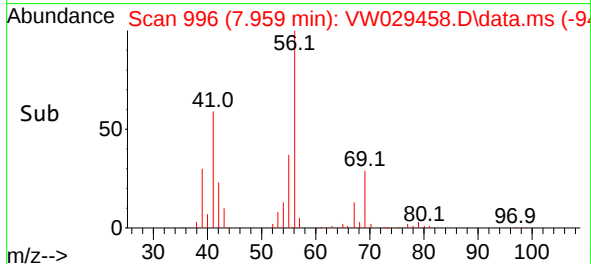
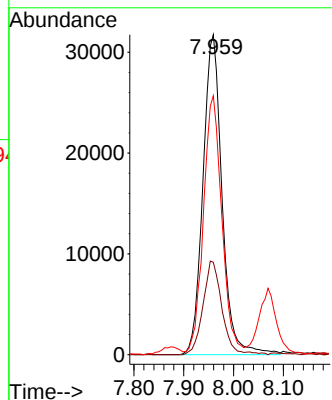
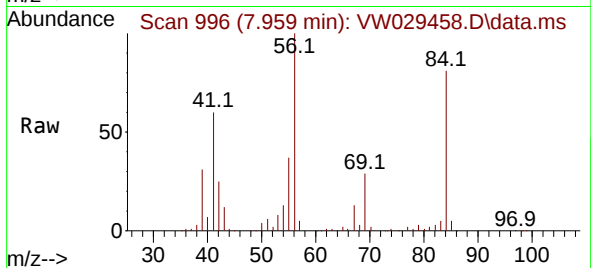




#29  
Cyclohexane  
Concen: 15.521 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

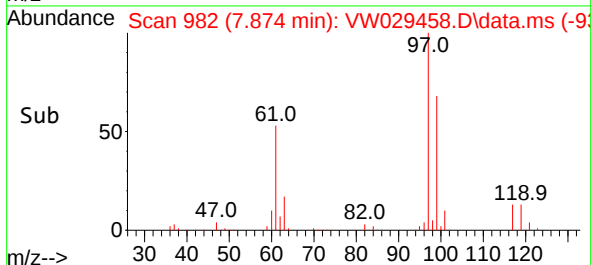
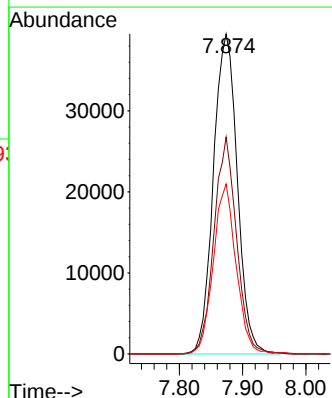
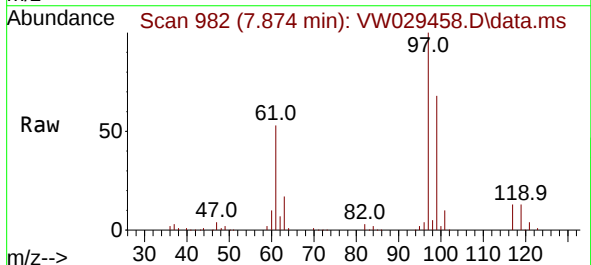
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

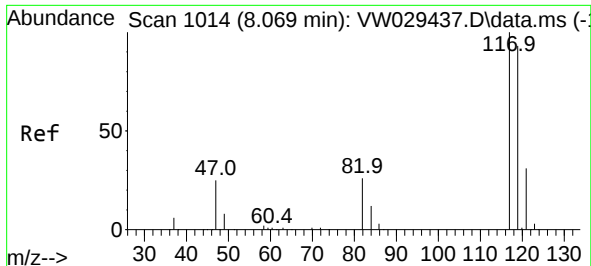
Tgt Ion: 56 Resp: 84530  
Ion Ratio Lower Upper  
56 100  
69 28.4 23.4 35.0  
84 77.4 64.5 96.7



#30  
1,1,1-Trichloroethane  
Concen: 19.573 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 97 Resp: 103687  
Ion Ratio Lower Upper  
97 100  
99 63.9 53.0 79.4  
61 50.4 43.0 64.4

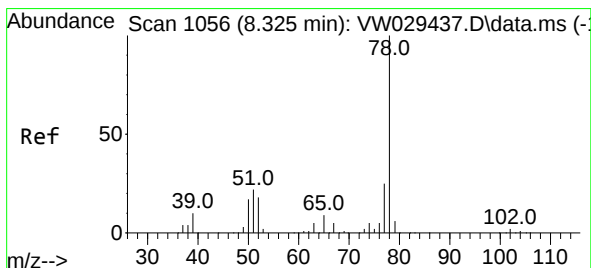
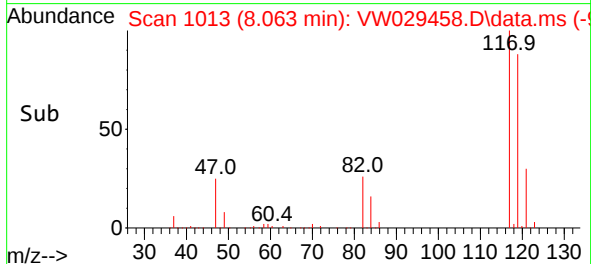
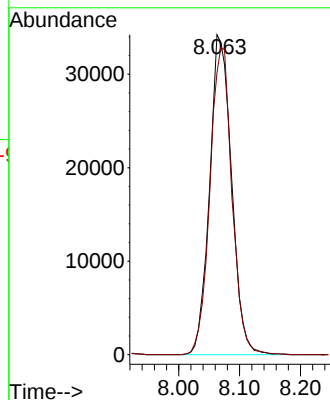
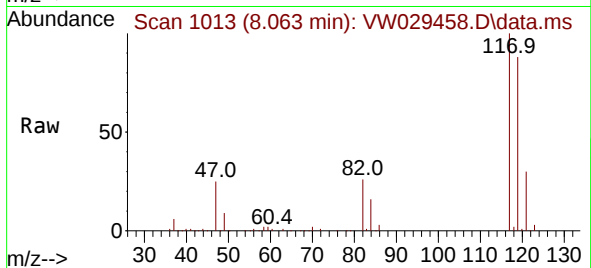




#31  
Carbon tetrachloride  
Concen: 17.710 ug/L  
RT: 8.063 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

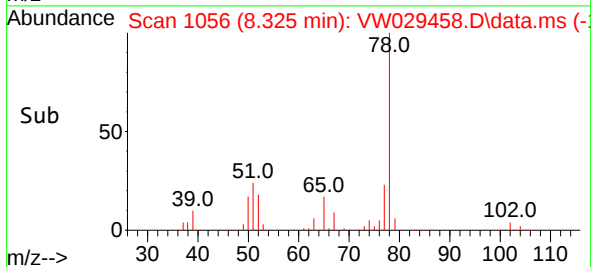
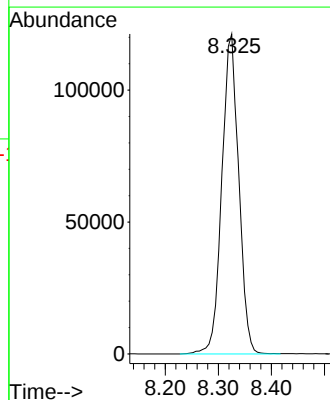
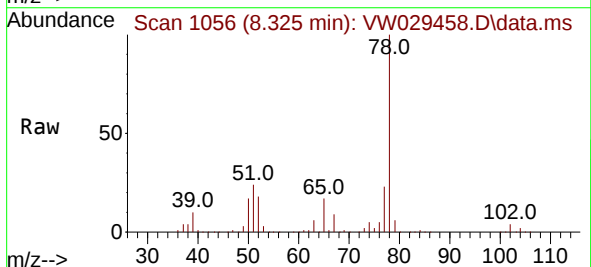
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

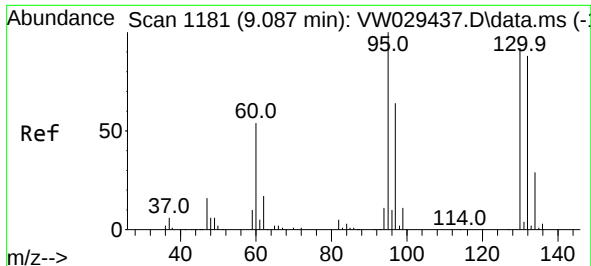
Tgt Ion:117 Resp: 85699  
Ion Ratio Lower Upper  
117 100  
119 96.4 79.0 118.4



#33  
Benzene  
Concen: 18.762 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 78 Resp: 268561





#34

Trichloroethene

Concen: 15.792 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

A4D00MS

Tgt Ion: 95 Resp: 60307

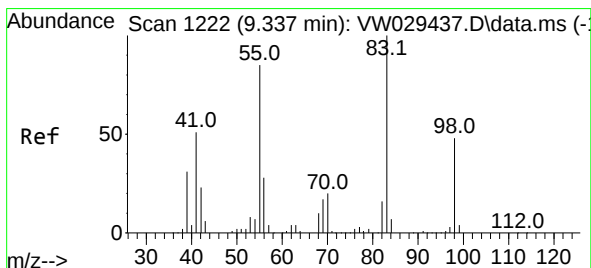
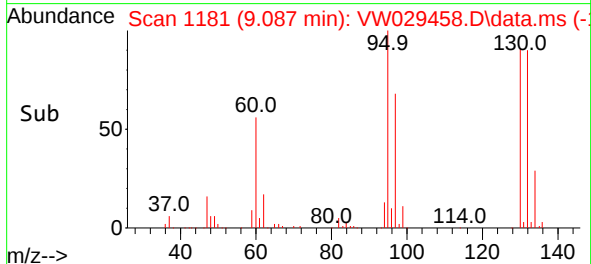
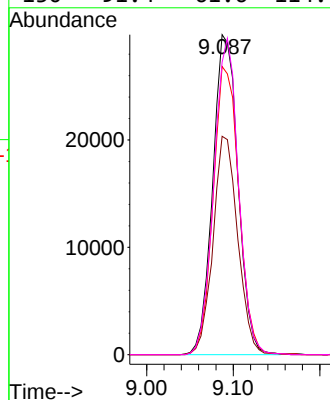
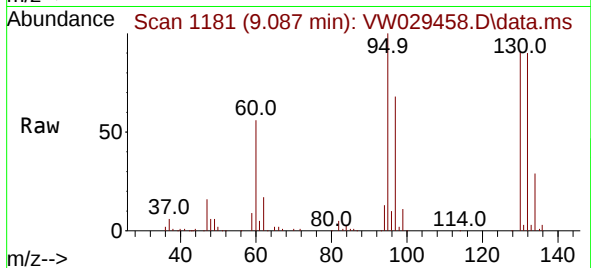
Ion Ratio Lower Upper

95 100

97 68.2 45.7 84.9

132 90.1 66.4 123.4

130 91.4 61.6 114.4



#35

Methylcyclohexane

Concen: 11.562 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

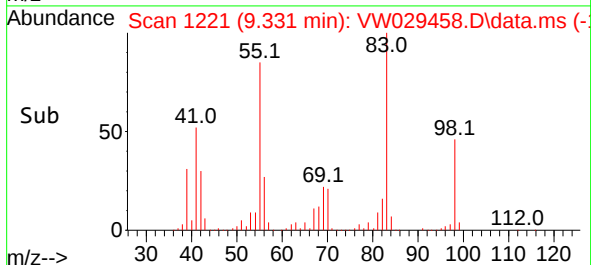
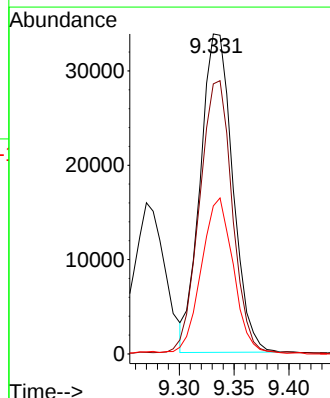
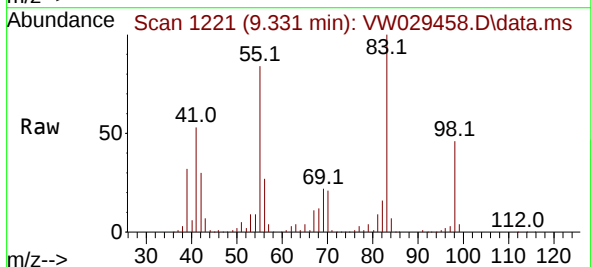
Tgt Ion: 83 Resp: 69438

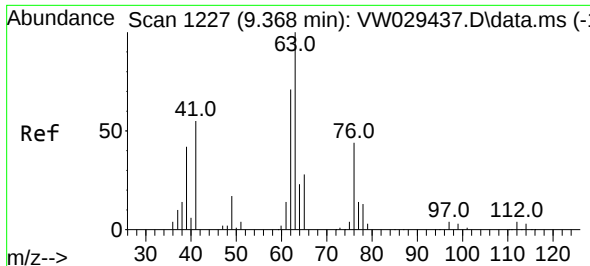
Ion Ratio Lower Upper

83 100

55 86.7 69.5 104.3

98 48.7 38.0 57.0





#37

1,2-Dichloropropane

Concen: 19.594 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

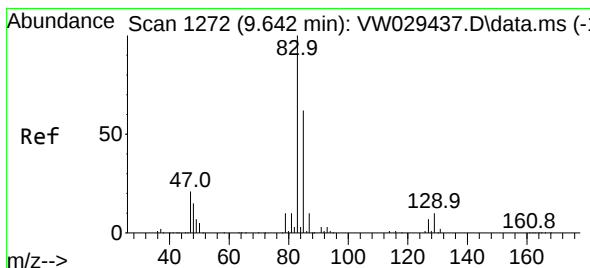
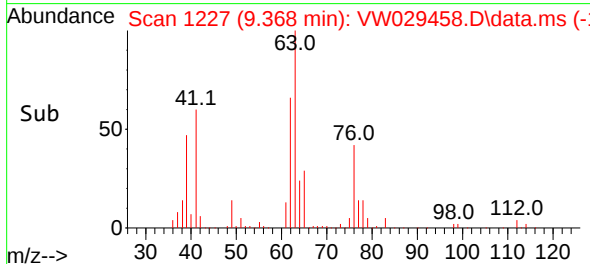
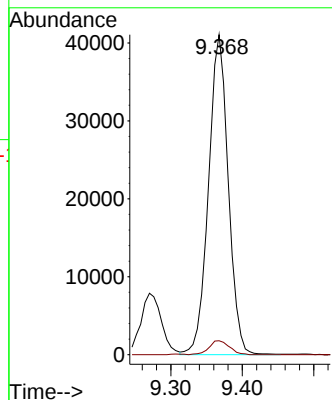
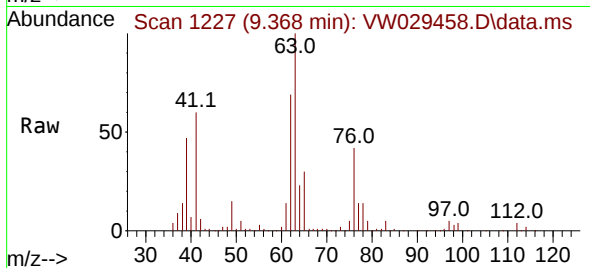
A4D00MS

Tgt Ion: 63 Resp: 78810

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 18.149 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

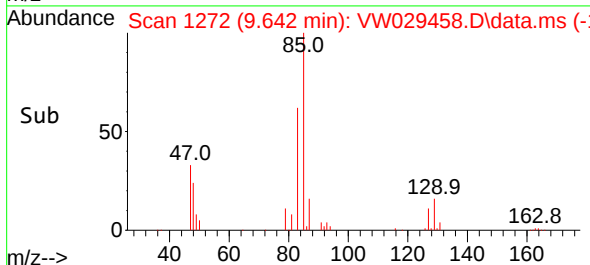
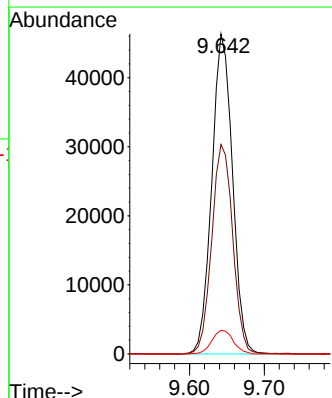
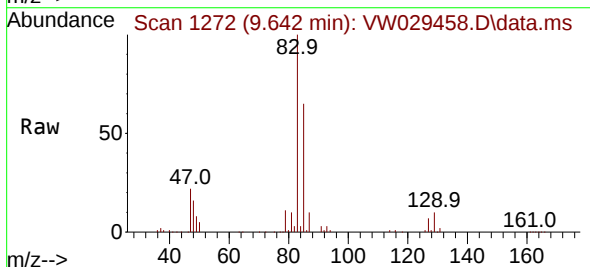
Tgt Ion: 83 Resp: 89250

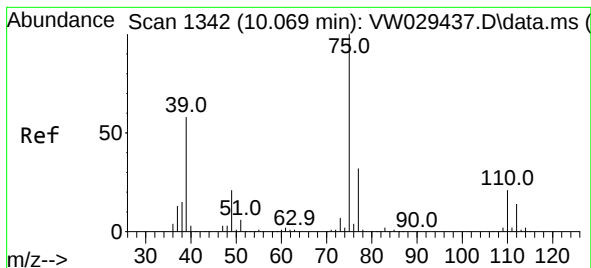
Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.9

127 7.4 5.8 8.6

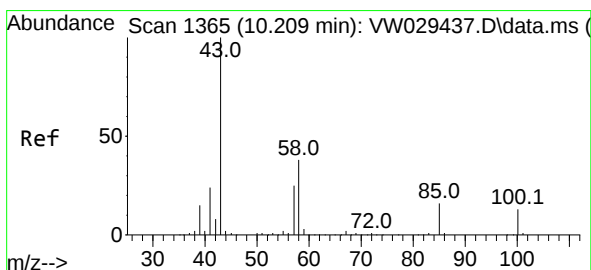
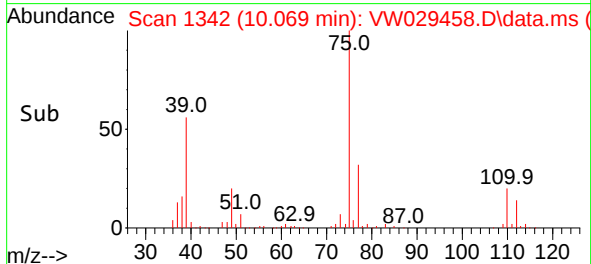
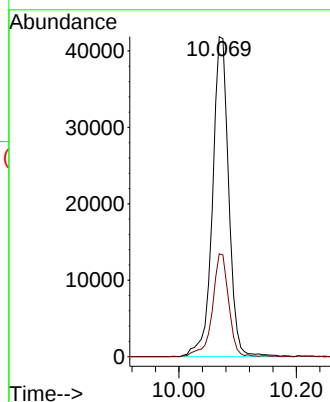
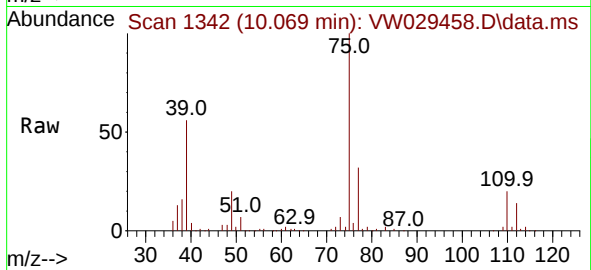




#39  
 cis-1,3-Dichloropropene  
 Concen: 14.113 ug/L  
 RT: 10.069 min Scan# 1342  
 Delta R.T. 0.000 min  
 Lab File: VW029458.D  
 Acq: 02 Jul 2024 20:42

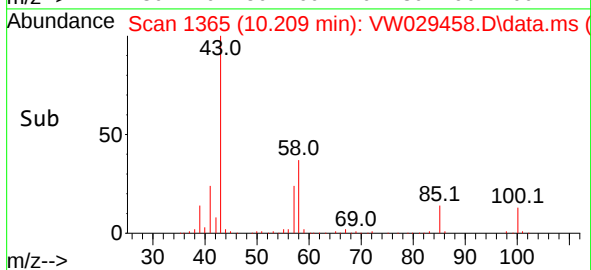
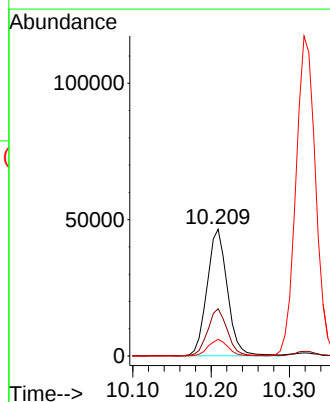
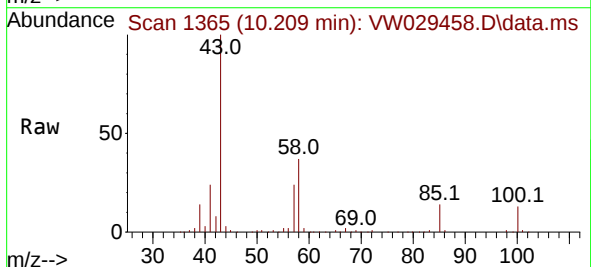
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4D00MS

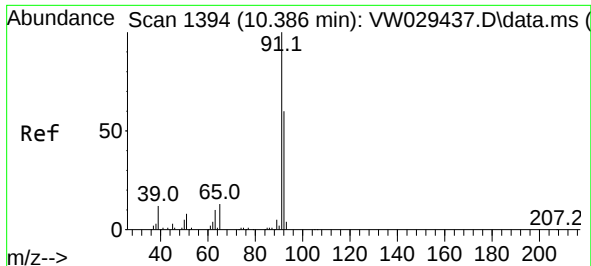
Tgt Ion: 75 Resp: 80242  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 22.7 42.1



#40  
 4-Methyl-2-pentanone  
 Concen: 33.637 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. -0.000 min  
 Lab File: VW029458.D  
 Acq: 02 Jul 2024 20:42

Tgt Ion: 43 Resp: 83855  
 Ion Ratio Lower Upper  
 43 100  
 58 36.3 28.2 42.4  
 100 12.7 11.0 16.4

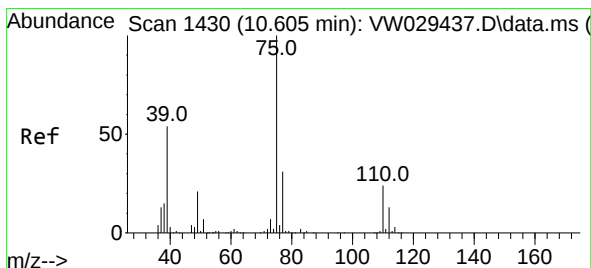
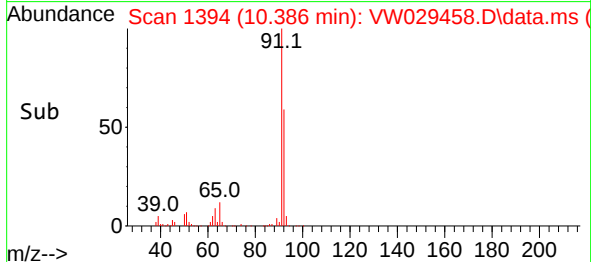
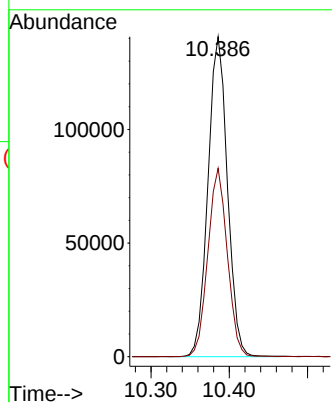
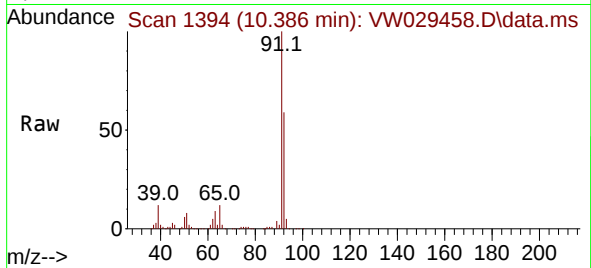




#42  
Toluene  
Concen: 16.488 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

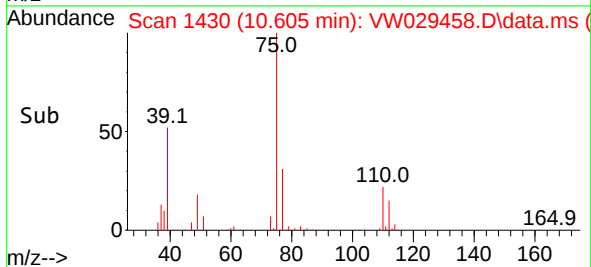
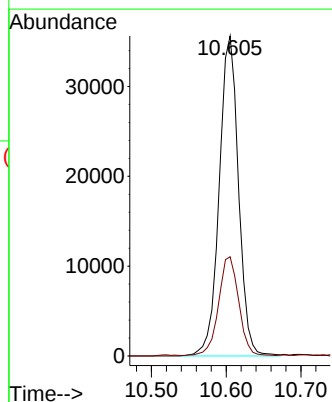
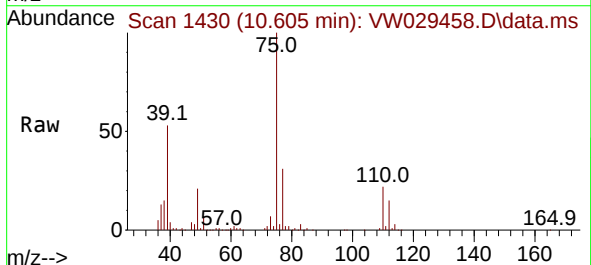
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

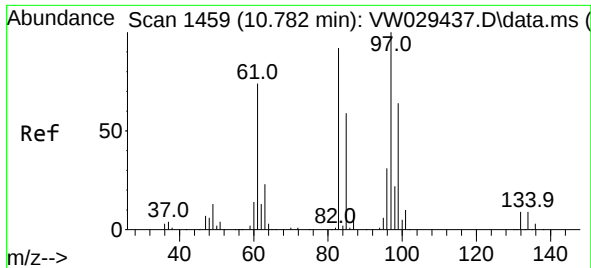
Tgt Ion: 91 Resp: 242616  
Ion Ratio Lower Upper  
91 100  
92 58.8 39.3 73.1



#44  
trans-1,3-Dichloropropene  
Concen: 13.334 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 75 Resp: 64015  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.7 42.1



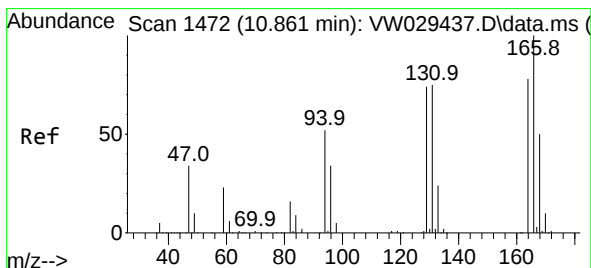
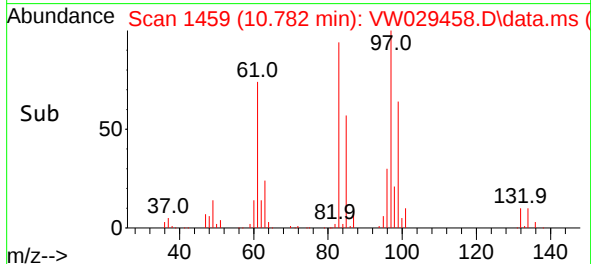
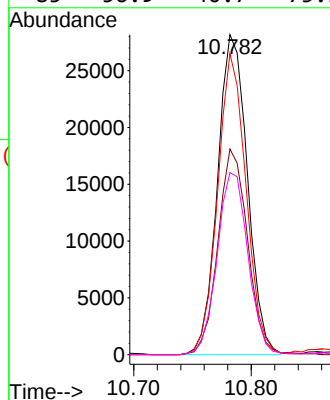
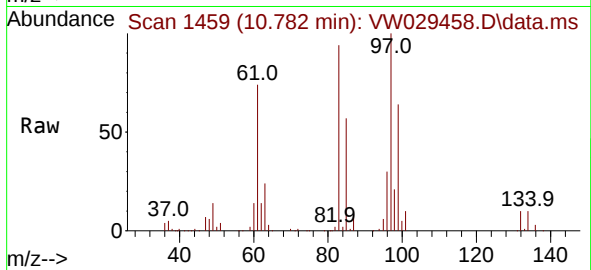


#45  
1,1,2-Trichloroethane  
Concen: 17.753 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

Tgt Ion: 97 Resp: 49730

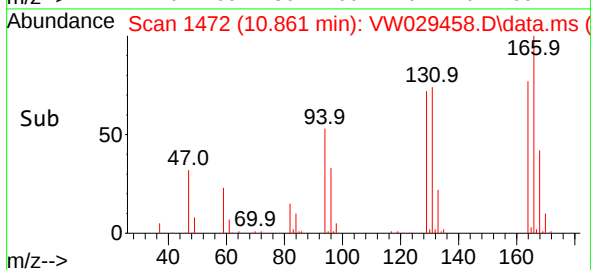
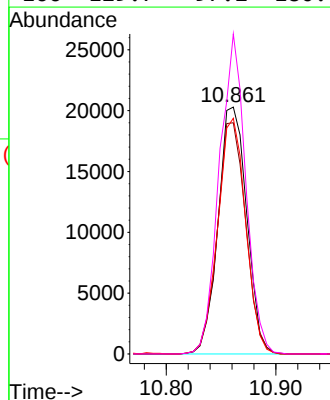
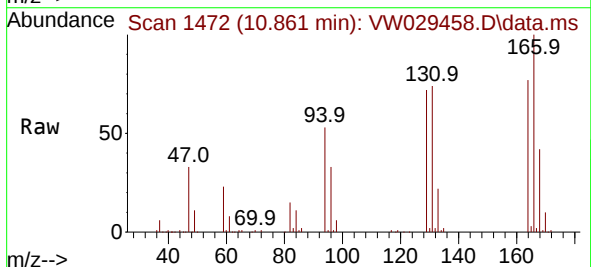
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.3  | 42.3  | 78.5  |
| 83  | 94.1  | 57.7  | 107.1 |
| 85  | 56.9  | 40.7  | 75.5  |

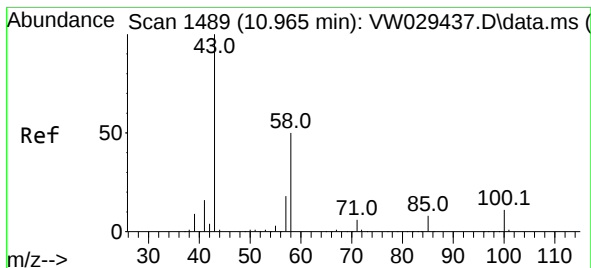


#46  
Tetrachloroethene  
Concen: 13.759 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 164 Resp: 36730

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.7  | 68.5  | 127.3 |
| 131 | 95.5  | 71.8  | 133.4 |
| 166 | 129.7 | 97.2  | 180.4 |

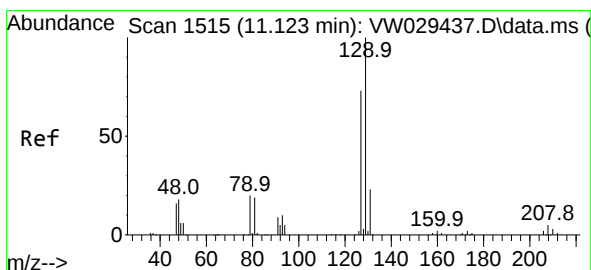
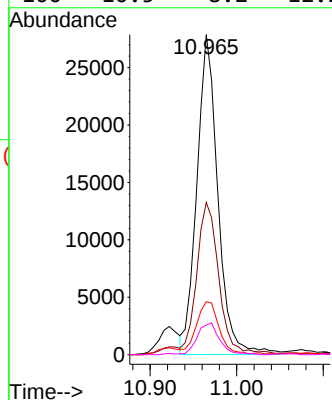
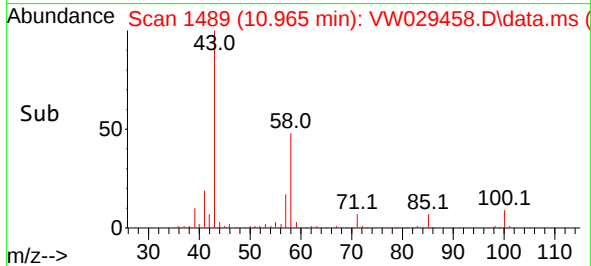
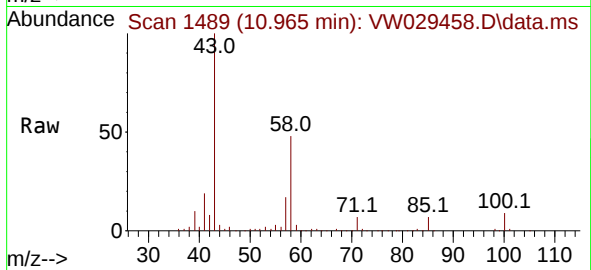




#48  
2-Hexanone  
Concen: 26.561 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

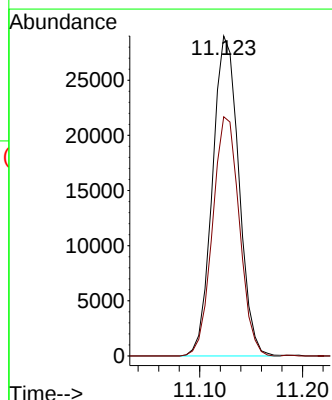
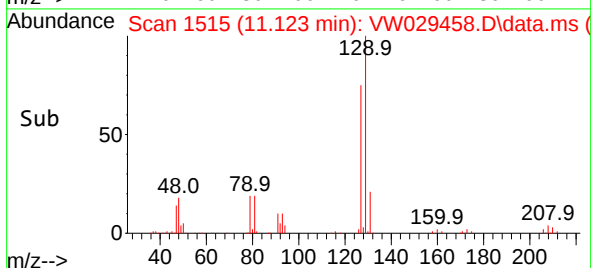
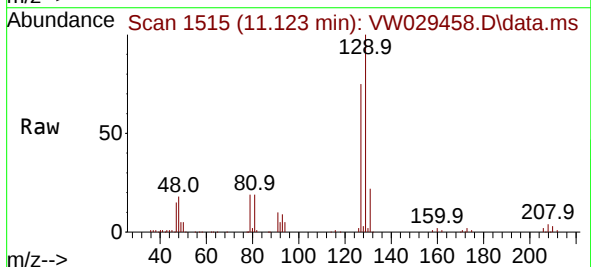
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

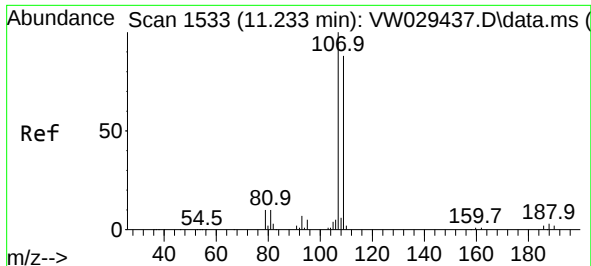
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 46985 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 46.6  | 39.6  | 59.4  |
| 57       | 17.9  | 14.6  | 21.8  |
| 100      | 10.5  | 8.2   | 12.2  |



#49  
Dibromochloromethane  
Concen: 17.648 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 51677 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 74.8  | 54.8  | 101.8 |





#50

1,2-Dibromoethane

Concen: 16.115 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

A4D00MS

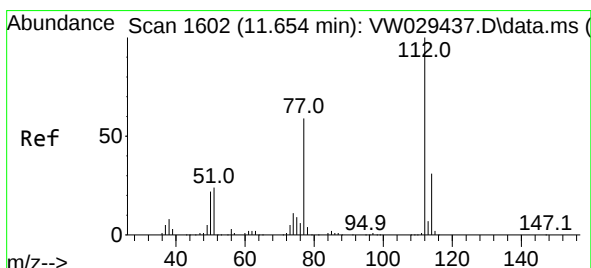
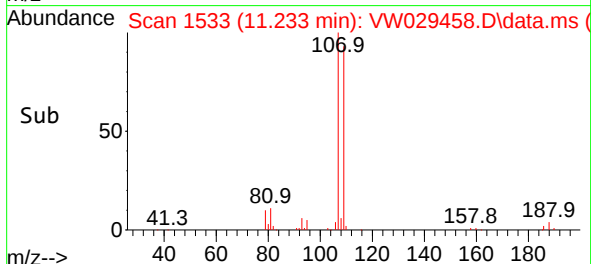
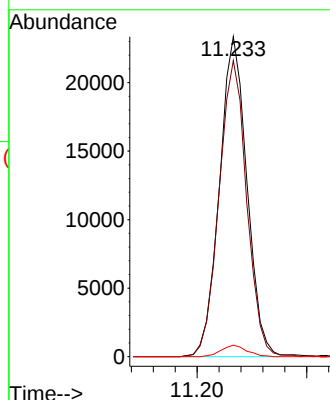
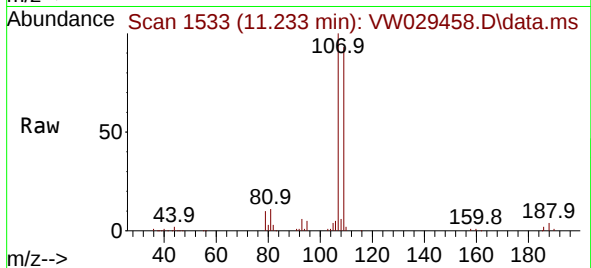
Tgt Ion:107 Resp: 40521

Ion Ratio Lower Upper

107 100

109 92.5 65.5 121.6

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 12.754 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

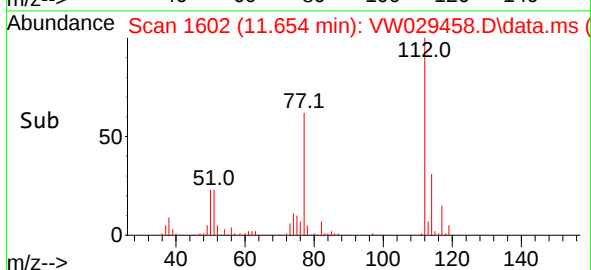
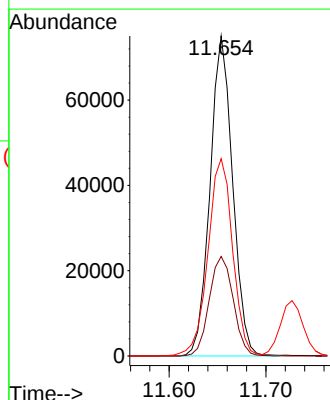
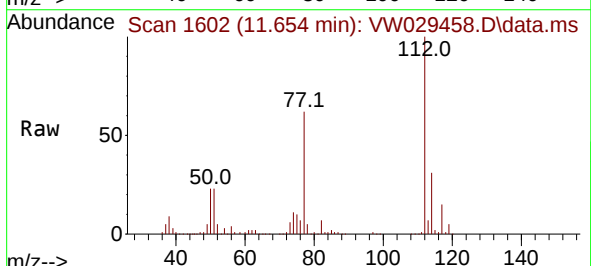
Tgt Ion:112 Resp: 121868

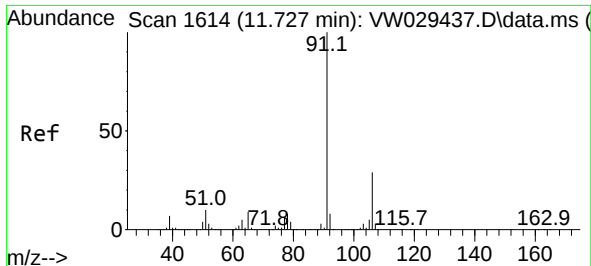
Ion Ratio Lower Upper

112 100

114 31.1 22.6 42.0

77 61.6 51.0 76.6





#52

Ethylbenzene

Concen: 13.534 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

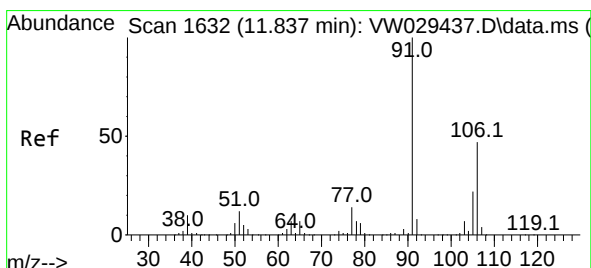
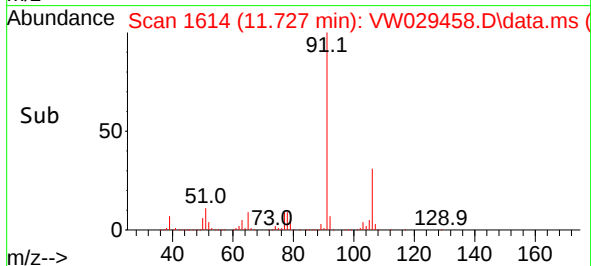
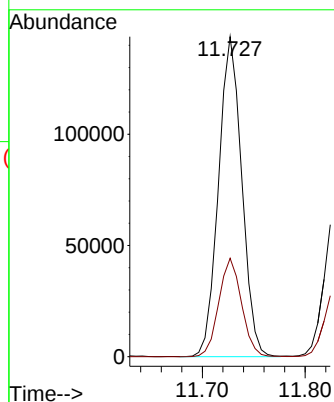
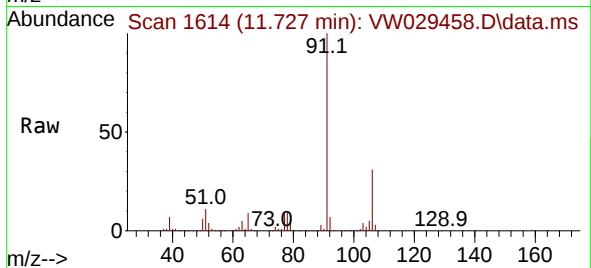
A4D00MS

Tgt Ion: 91 Resp: 226061

Ion Ratio Lower Upper

91 100

106 30.7 19.9 37.0



#53

m,p-Xylene

Concen: 12.818 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW029458.D

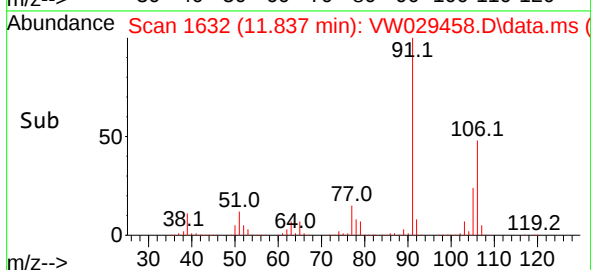
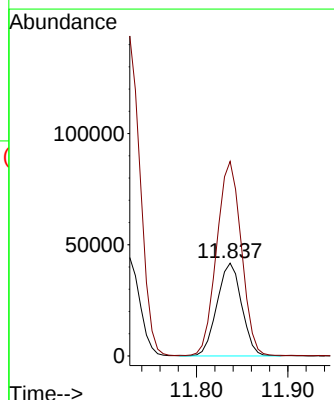
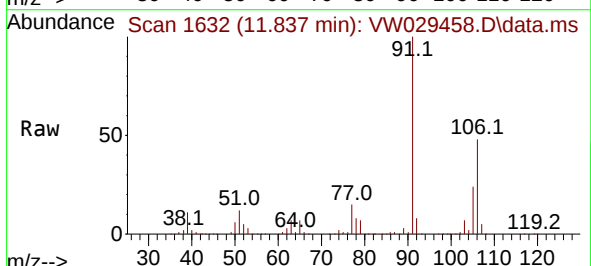
Acq: 02 Jul 2024 20:42

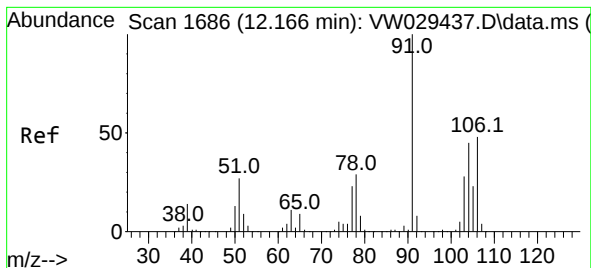
Tgt Ion:106 Resp: 78203

Ion Ratio Lower Upper

106 100

91 209.7 140.5 260.9





#54

o-Xylene

Concen: 13.200 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

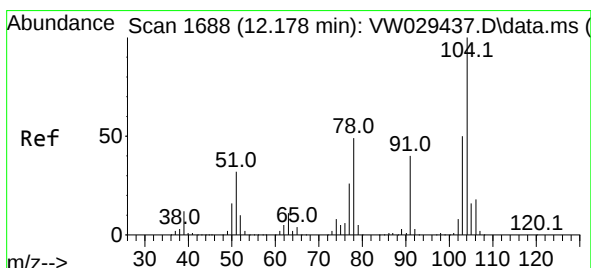
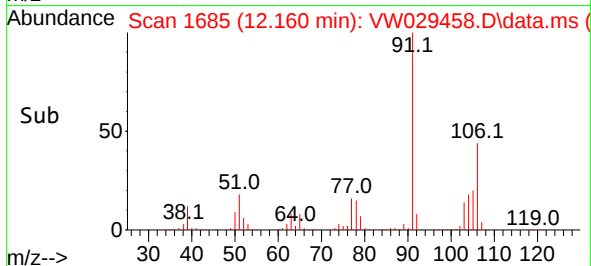
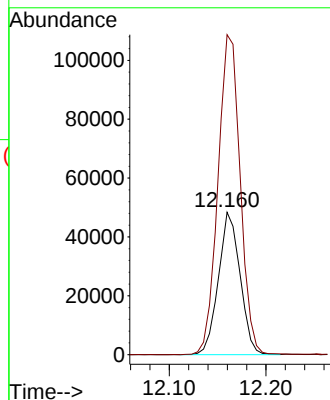
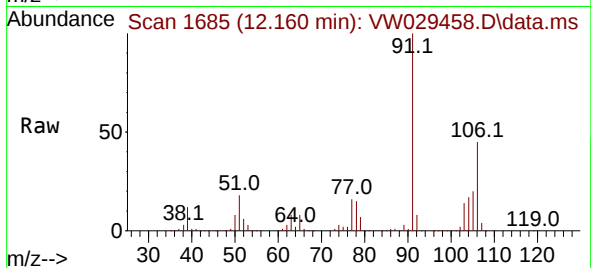
A4D00MS

Tgt Ion:106 Resp: 75269

Ion Ratio Lower Upper

106 100

91 224.7 149.9 278.5



#55

Styrene

Concen: 11.193 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029458.D

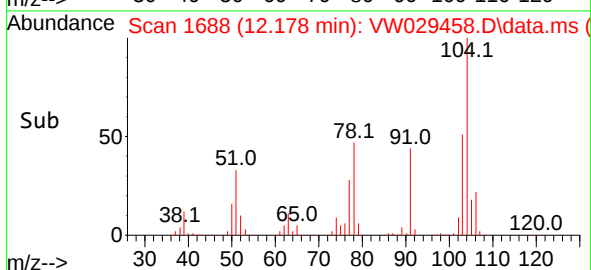
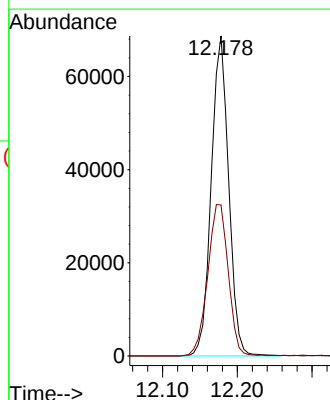
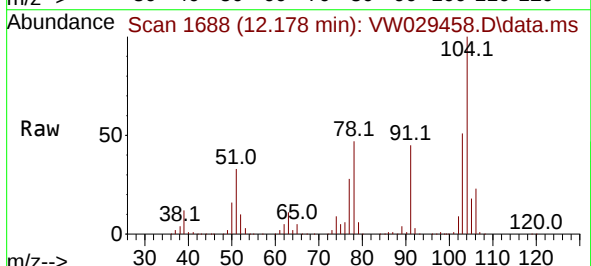
Acq: 02 Jul 2024 20:42

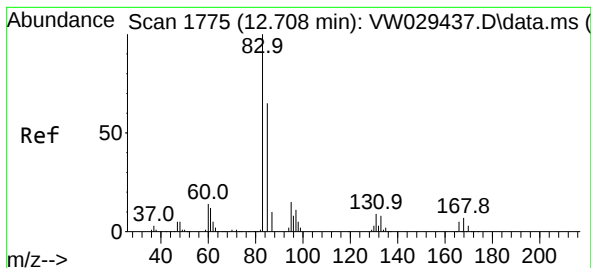
Tgt Ion:104 Resp: 111285

Ion Ratio Lower Upper

104 100

78 47.2 35.4 65.7

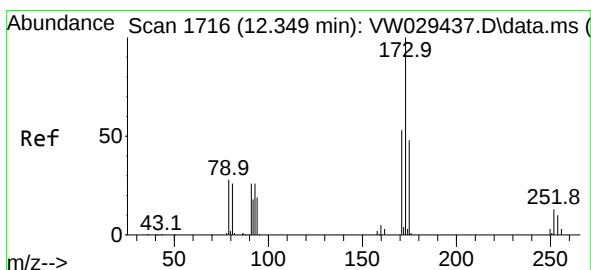
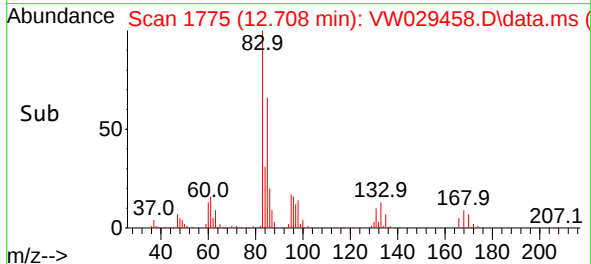
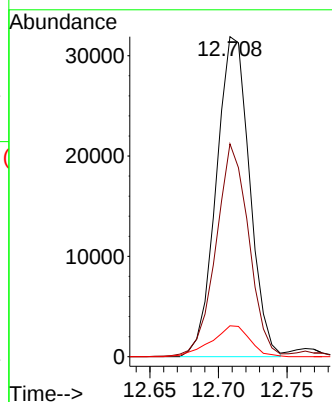
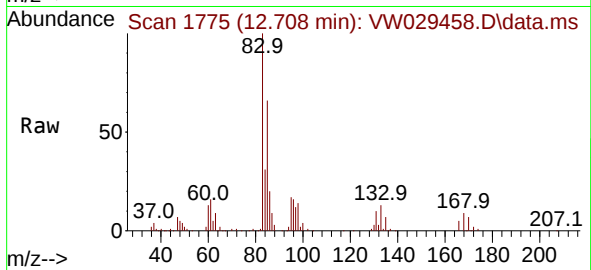




#57  
1,1,2,2-Tetrachloroethane  
Concen: 15.558 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

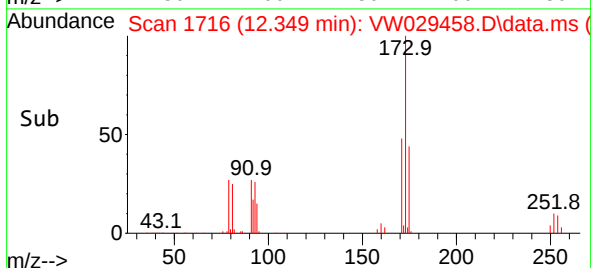
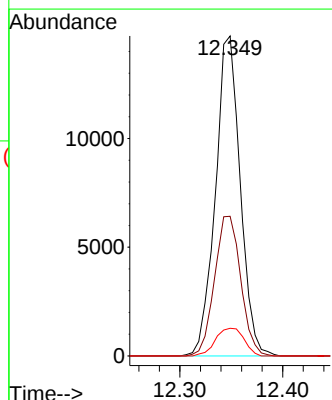
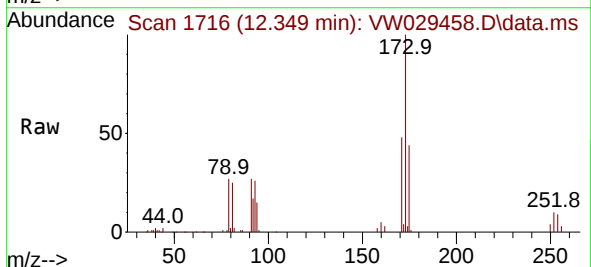
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

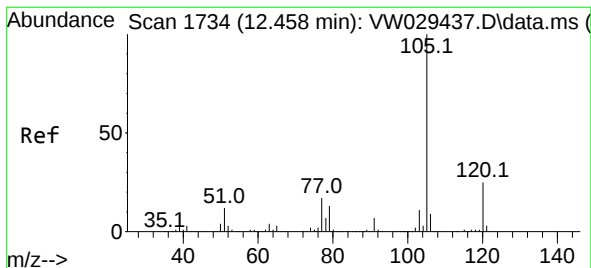
Tgt Ion: 83 Resp: 53908  
Ion Ratio Lower Upper  
83 100  
85 66.5 45.8 85.0  
131 9.6 7.8 11.6



#59  
Bromoform  
Concen: 30.702 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 173 Resp: 24659  
Ion Ratio Lower Upper  
173 100  
175 46.0 37.8 56.8  
254 10.0 7.8 11.6

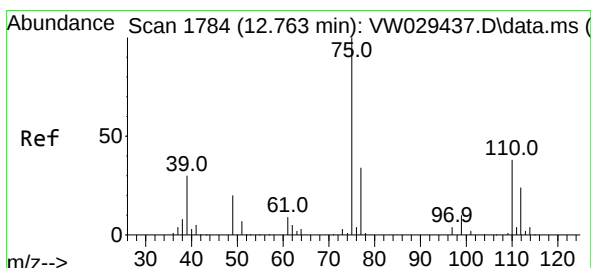
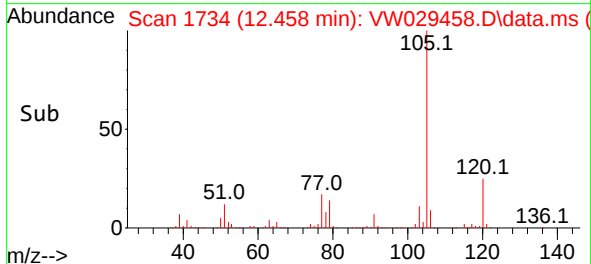
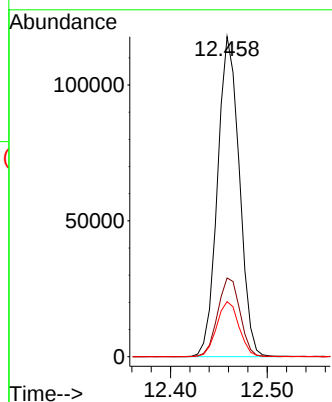
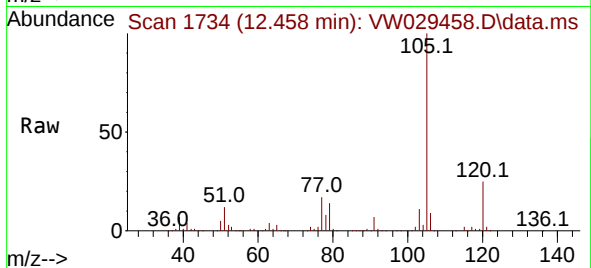




#60  
Isopropylbenzene  
Concen: 23.647 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

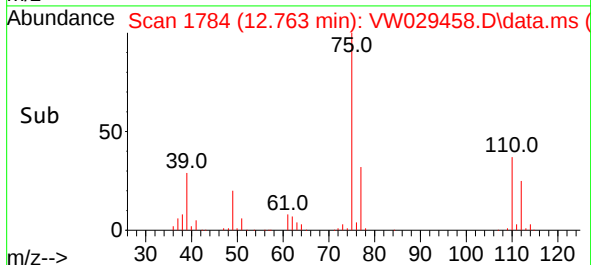
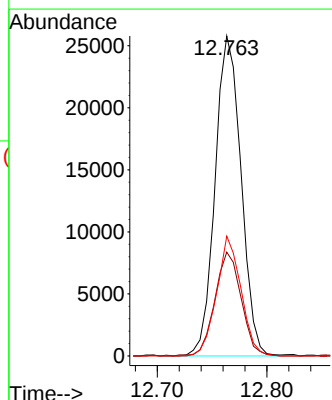
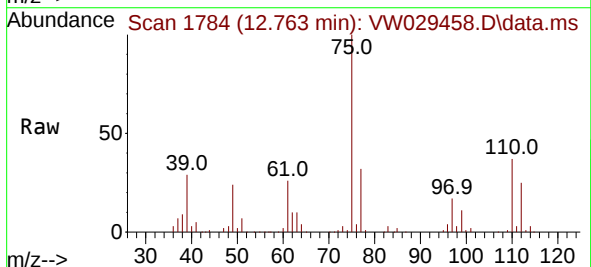
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

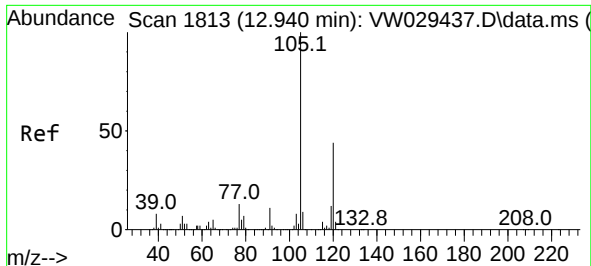
Tgt Ion:105 Resp: 184645  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.5 30.7  
77 17.7 13.6 20.4



#61  
1,2,3-Trichloropropane  
Concen: 33.209 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion: 75 Resp: 42447  
Ion Ratio Lower Upper  
75 100  
77 32.6 26.6 39.8  
110 35.1 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 19.231 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

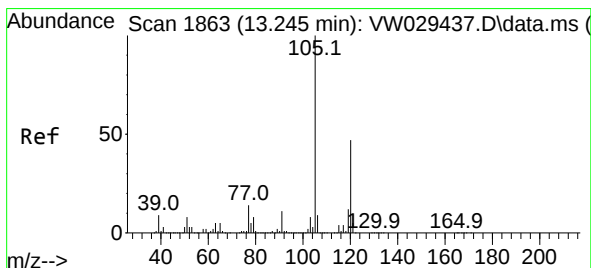
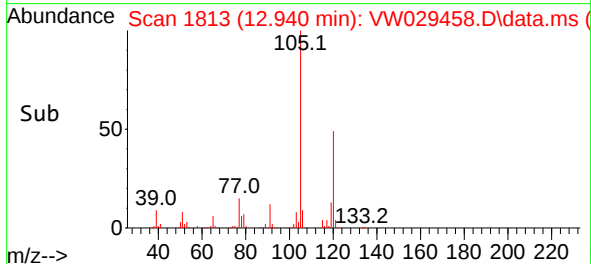
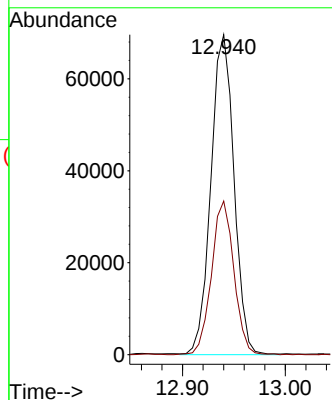
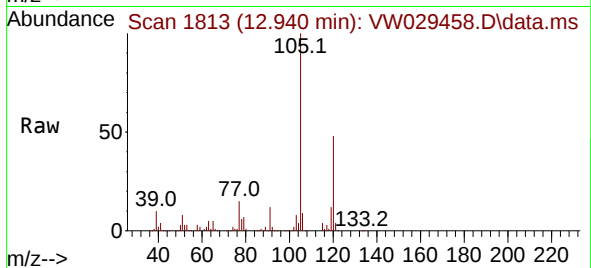
A4D00MS

Tgt Ion:105 Resp: 108750

Ion Ratio Lower Upper

105 100

120 46.5 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 18.494 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW029458.D

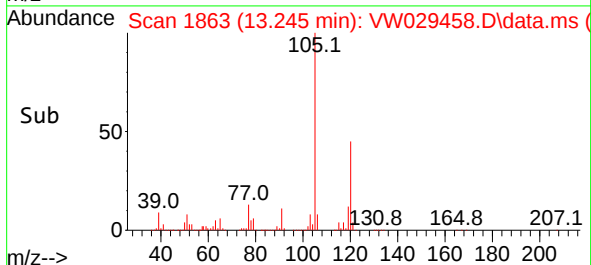
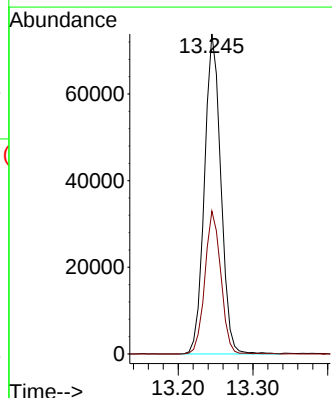
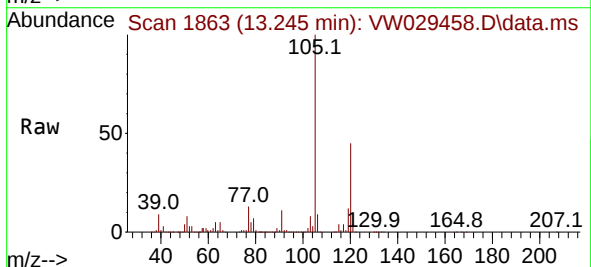
Acq: 02 Jul 2024 20:42

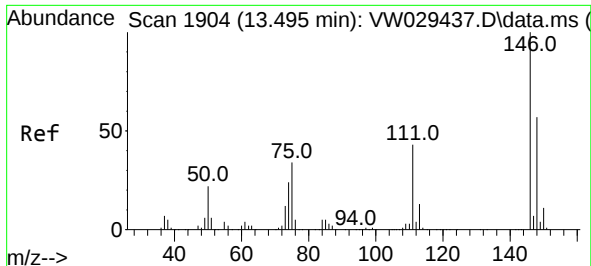
Tgt Ion:105 Resp: 112527

Ion Ratio Lower Upper

105 100

120 43.2 34.9 52.3

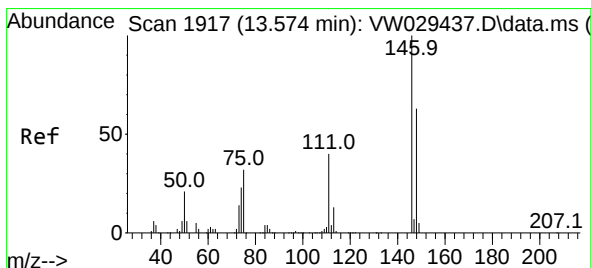
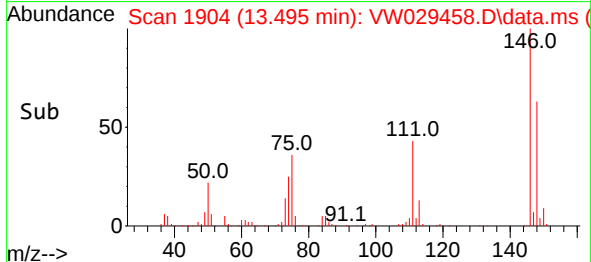
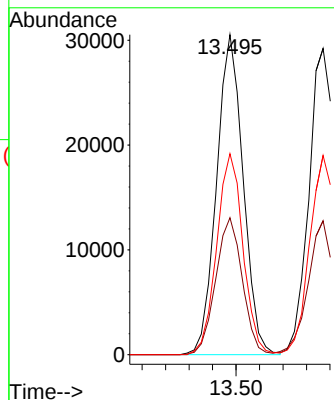
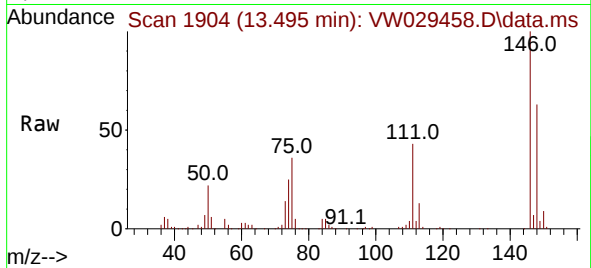




#64  
1,3-Dichlorobenzene  
Concen: 14.211 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

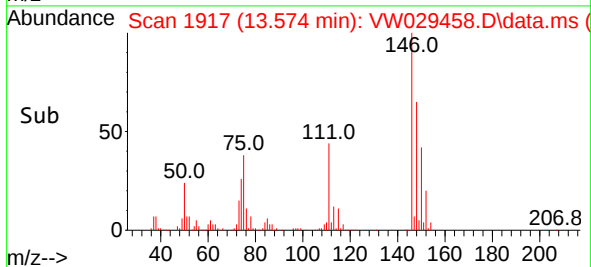
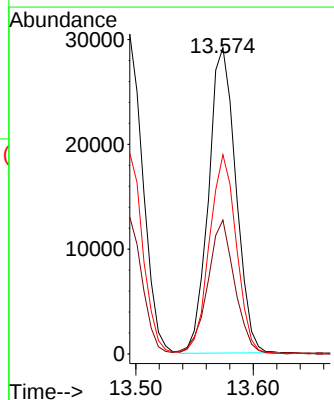
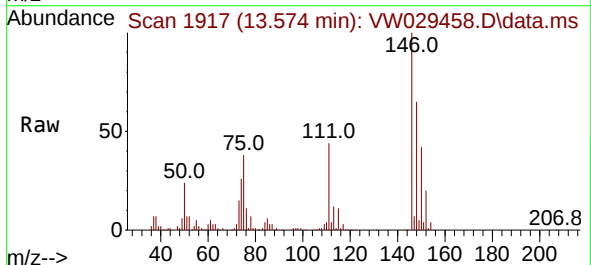
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4D00MS

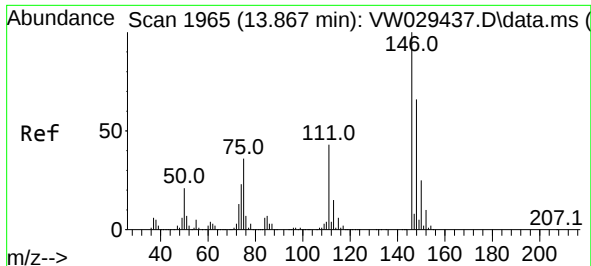
Tgt Ion:146 Resp: 48021  
Ion Ratio Lower Upper  
146 100  
111 42.8 33.0 61.2  
148 62.8 47.5 88.1



#65  
1,4-Dichlorobenzene  
Concen: 13.109 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029458.D  
Acq: 02 Jul 2024 20:42

Tgt Ion:146 Resp: 47130  
Ion Ratio Lower Upper  
146 100  
111 43.7 28.9 53.7  
148 65.0 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 14.283 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

A4D00MS

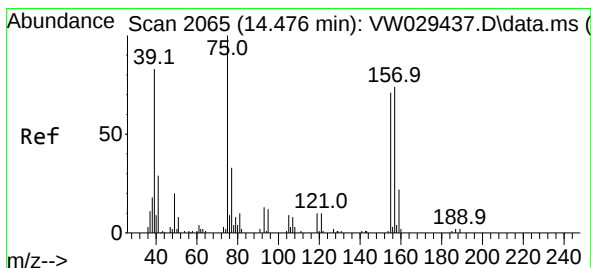
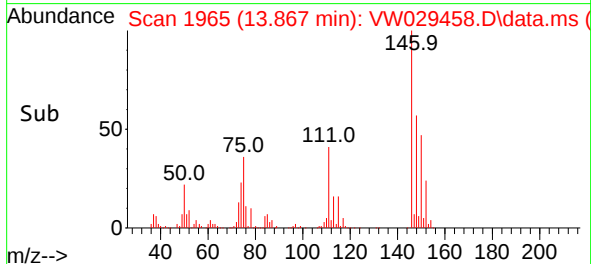
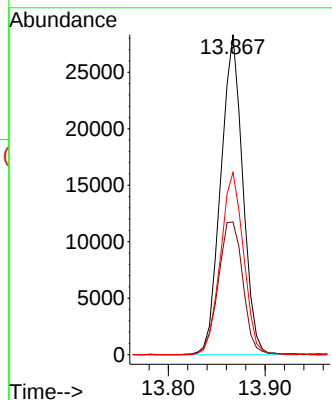
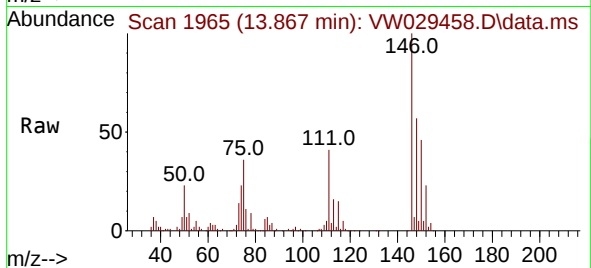
Tgt Ion:146 Resp: 44618

Ion Ratio Lower Upper

146 100

111 41.4 34.2 51.4

148 57.0 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.976 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

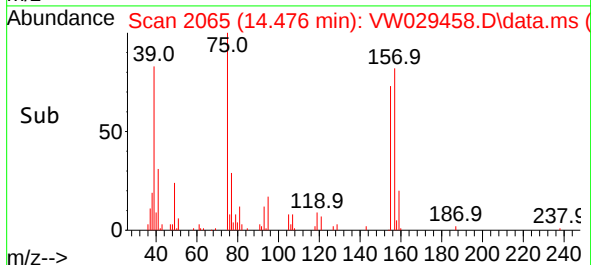
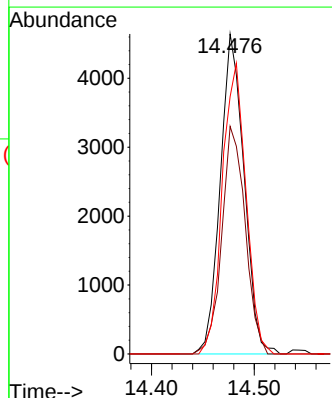
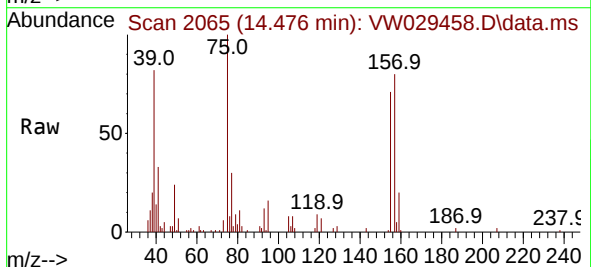
Tgt Ion: 75 Resp: 7450

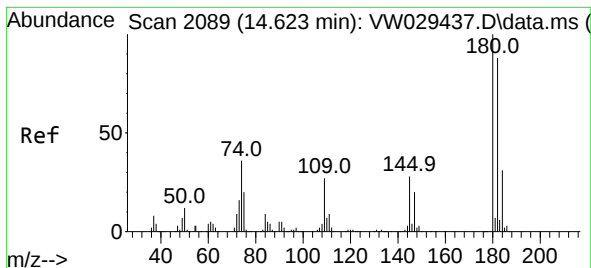
Ion Ratio Lower Upper

75 100

155 71.1 51.0 76.6

157 80.4 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 7.803 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

A4D00MS

Tgt Ion:180 Resp: 17795

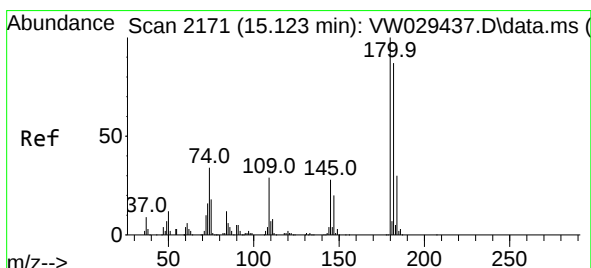
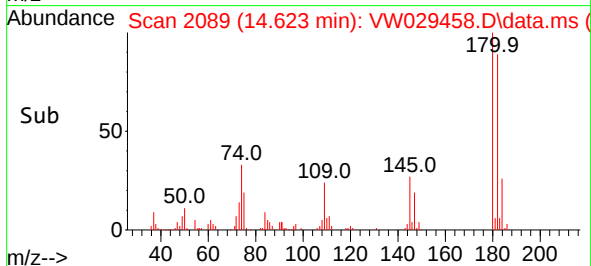
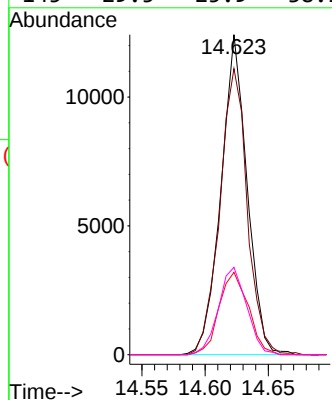
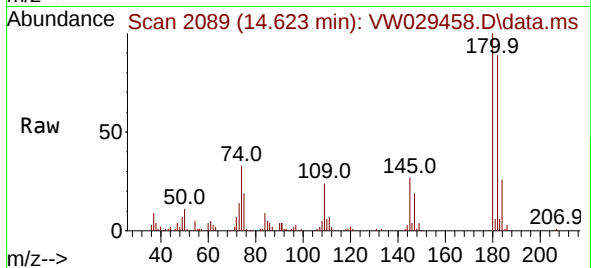
Ion Ratio Lower Upper

180 100

182 93.9 72.9 109.3

184 28.9 23.8 35.6

145 29.5 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 5.856 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

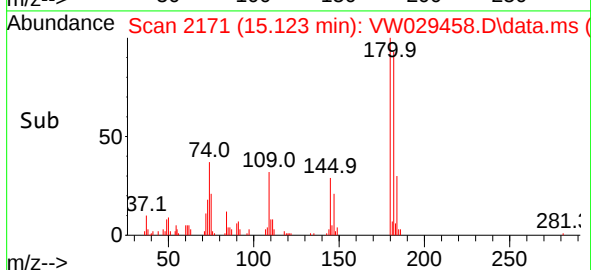
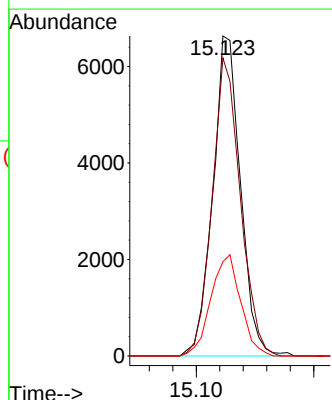
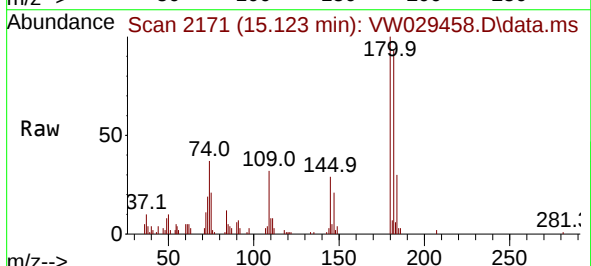
Tgt Ion:180 Resp: 10826

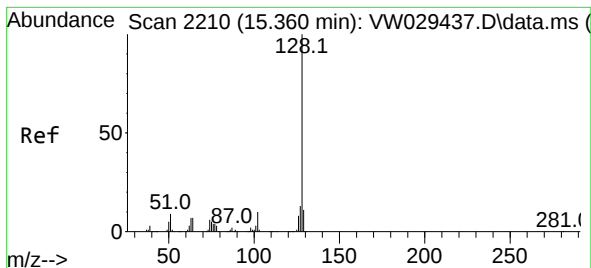
Ion Ratio Lower Upper

180 100

182 95.1 77.7 116.5

145 34.1 25.7 38.5





#71

Naphthalene

Concen: 7.955 ug/L

RT: 15.354 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Instrument :

MSVOA\_W

ClientSampleId :

A4D00MS

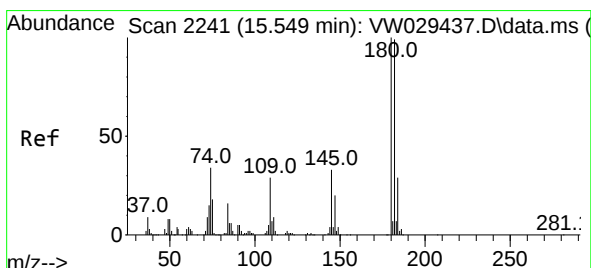
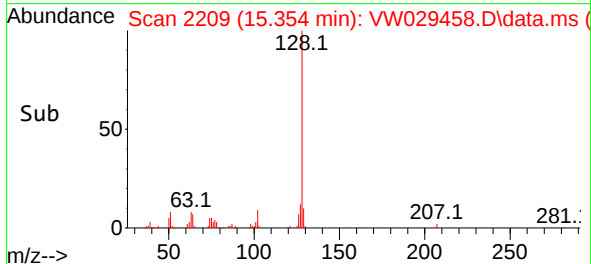
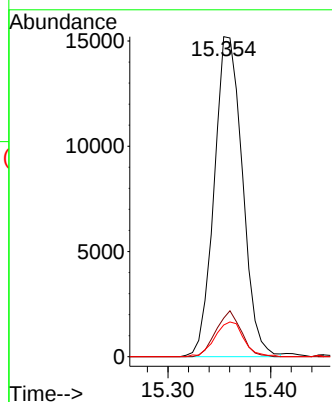
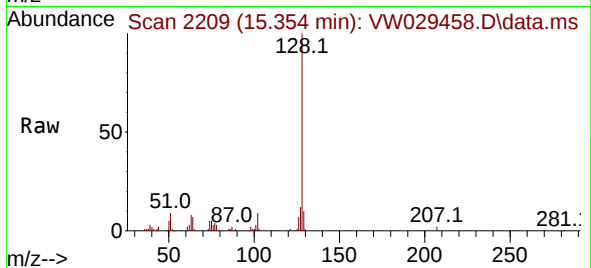
Tgt Ion:128 Resp: 29026

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.1 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 5.455 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW029458.D

Acq: 02 Jul 2024 20:42

Tgt Ion:180 Resp: 9189

Ion Ratio Lower Upper

180 100

182 92.6 73.0 109.6

145 34.6 28.1 42.1

